



# Evolution and Progress of the University College of Medicine

[ FROM 1957 TO 1968 ]



BCU  
2803

UNIVERSITY OF CALCUTTA  
1969



Laying of the foundation stone of the University College of Medicine (Dept. of Basic Medical Sciences)  
at 244, Lower Circular Road, Cal.—20

By  
Dr. B. C. Roy, then Chief Minister, West Bengal





26,952

## A DECADE OF DEDICATED SERVICE AND MISSION

DR. S. N. SEN, M.A., Ph.D.

VICE-CHANCELLOR

UNIVERSITY OF CALCUTTA

How much unlike art thou,

Mark Antony ;

Yet coming from him, that

Great medicine hath

With his tinct gilded Thee.

—(Shakespeare,—Antony & Cleopatra)

### A Peep into the Past

The University of Calcutta, the oldest University in India, was established in 1857 with "Advancement of Learning" as its motto. Since then, it has been creatively engaged in its mission to advance learning in its all aspects and to dedicate itself to enrich the country in all branches of knowledge and learning. The history of medical education conforms to the basic ideals of this great University and its mission of advancement of learning.

The history of Post-Graduate Medical Education dates as far back as 1860 when regulations regarding the degree of Doctor of Medicine and, subsequently, of Master of Surgery and Master of Obstetrics were adopted by the Calcutta University. Thus this University has also the signal honour to pioneer the medical education in India on a modern and scientific basis. From this humble start a massive organization has now developed through the unstinted efforts and selfless devotion of the great medical thinkers and practitioners. The history of this development is a clear testimony to the great services it has rendered to our country and countrymen. In 1914, Sir Leonard Rogers conceived the idea of establishing medical institutes in India for the purpose of Post-Graduate Studies in Tropical Medicine and Hygiene. It was with this purpose and motive that the Calcutta School of Tropical Medicine and Hygiene was established in 1920 with a healthy combination of teaching and research in Tropical Medicines and Hygiene. In 1932, Dr. W. S. Carter, Associate Director of Rockefeller Foundation, periodically toured India and deeply felt the necessity to establish a separate Institute of Hygiene. It was due to his practical help and support that the present All India Institute of Hygiene and Public Health was established.



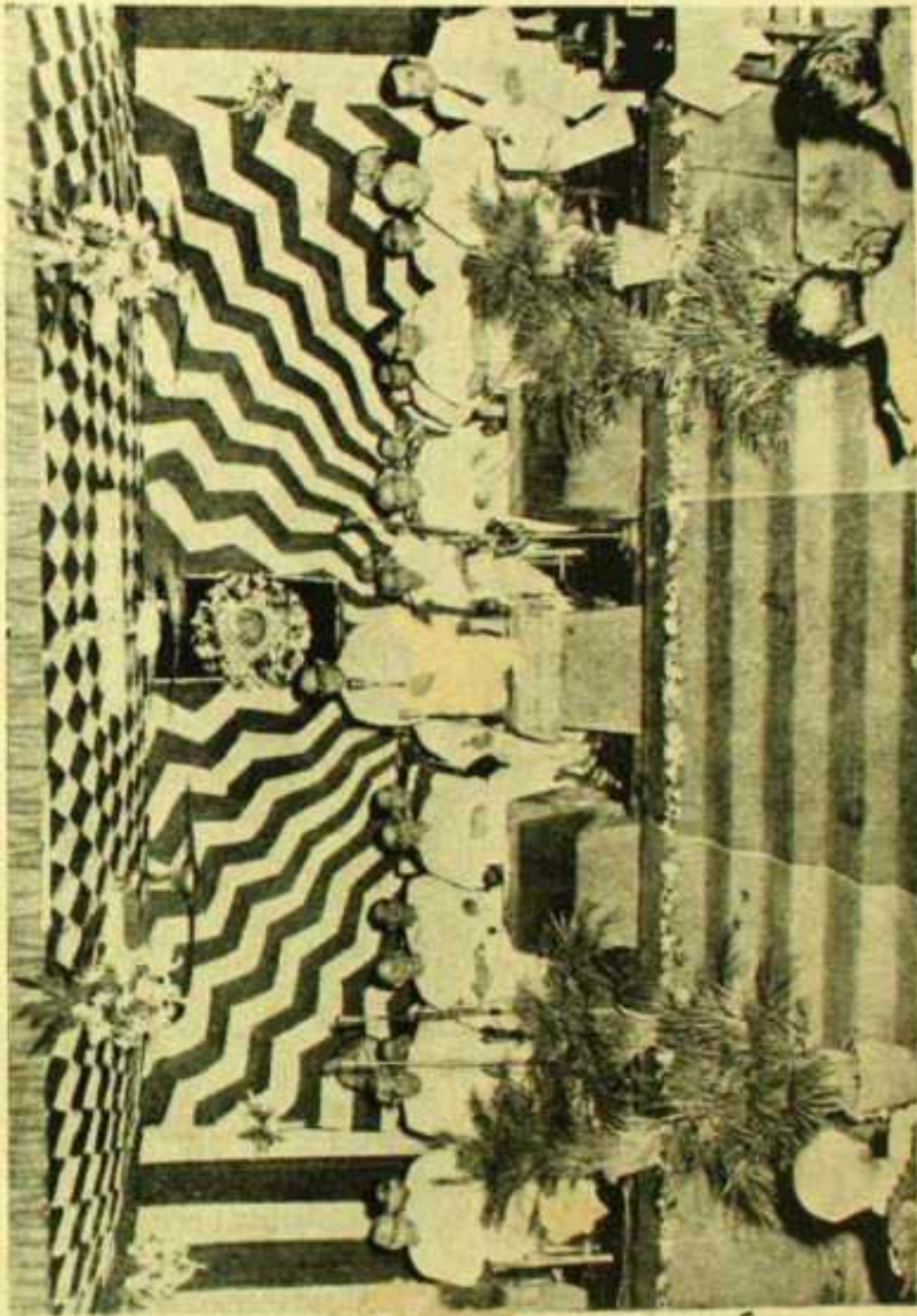


The Senate adopted the regulations for the Diploma Courses in Ophthalmic Medicine and Surgery in 1934, in Obstetrics and Gynaecology in 1944 and in Tuberculous Diseases in 1946. The Senate and the Syndicate of the Calcutta University had, by this time, realised the necessity to plan and to give an urgent consideration to the development of medical education on a fully systematic and scientific pattern. It was with this view that in 1944, the Syndicate formed a Sub-Committee to go into the entire question of Post-Graduate Medical Education in this University and to recommend ways and means for its improvement and systematisation. In the same meeting of the Syndicate, it was also decided that the authorities of the two affiliated medical colleges and all other non-affiliated medical institutes should be approached to provide facilities for Post-Graduate work including training for higher studies and research. Pending such provisions, the appointment of Post-Graduate Teachers in Anatomy, Pharmacology, Pathology, Medicine, Surgery and Midwifery were duly considered but the University was unable to provide necessary funds, accommodation, etc. for the purpose and therefore, it had provisionally selected its affiliated medical colleges and hospitals and some other medical institutions to impart Post-Graduate instruction. It also sanctioned a grant of Rs. 10,000 for this purpose. It also appointed a Sub-Committee to consider the proposal to institute a University Post-Graduate Department of Teaching in Medicine on lines similar to those of the University Post-Graduate Departments in Arts and Science.

On 15th June, 1946, the Syndicate created a nucleus fund with Rs. 35,000 for the purpose of development of the Post-Graduate Studies in Medicine. Rs. 10,000 was set apart for the Post-Graduate studies and the Development Committee was requested to chalk out a detailed scheme. On 7th February, 1947, the scheme submitted by this Sub-Committee was placed before the Syndicate, which decided to appoint a Post-Graduate Committee in Medicine to go through the details of the Post-Graduate Medical Education. This Committee was further authorised to have a Finance Committee out of its own members and three Syllabi Committees for Surgery, Midwifery and Medicine. Dr. P. N. Banerjee, the then Vice-Chancellor, Calcutta University, was the Chairman of the Committee. It drew up an elaborate scheme of Post-Graduate Teaching in Medical Sciences. The Scheme was basically in conformity with the other Post-Graduate Departments but with a difference that the plan in Medical Science would be a federal one in order to recognise the entity of the individual medical colleges which would provide or had provided Post-Graduate Teaching and Research in Medical Science or in any of its branches.

The 28th February, 1948, was a great date in the history of Medical Science in this University when the above scheme was finally adopted by the Syndicate and new horizons were opened for Post-Graduate Medical Education in this University. A new chapter XI-A under the caption "Post-Graduate Teaching in Medical Science" was incorporated in the University Regulations. On 23rd April, 1948, these new regulations were approved by the Government and the University immediately took steps to implement them without any delay. Accordingly, in September, 1948, the Syndicate recommended four members to serve on the Council of Post-Graduate Teaching in Medical Sciences and a special Committee, as provided in the regulations, was constituted under the chairmanship of Late Dr. B. C. Roy, the then Chief Minister of West Bengal and a great name in the field of Medicine.





Sri Surajitkumara Labiri, as Chancellor of Calcutta University (the then Vice-Chancellor, Calcutta University) and President, Council of the University College of Medicine is addressing the post-graduate teachers, students and the guests during the foundation stone-laying ceremony of the University College of Medicine (Department of Basic Medical Sciences) at 244, Lower Circular Road, Cal. - 20.





National Professor S. N. Bose inaugurating the Institute of Basic Medical Sciences.





This formed the first Council of Post-Graduate Teaching of Medical Sciences in this University. The progress however became slow. By this time there was already a talk to remodel the entire constitution of the Calcutta University, and, therefore, no big step was taken till the University Act of 1951 came into operation. In the meantime, the regulations for the degrees of M.D. (Doctor of Medicine), M.S. (Master of Surgery) and M.O. (Master of Obstetrics) were revised in 1951. The degree of Doctor of Philosophy was also introduced in the field of medical research in 1953 and this introduction helped widen the scope of medical research by medical graduates. This move was commended by all great medical thinkers of the country.

On the 12th March, 1954, the Calcutta University Act of 1951 was put into operation and in the same year Dr. J. C. Ghosh, the then Vice-Chancellor of this University, formed a Co-ordinating Committee for the Post-Graduate Medical Education. The Senate discussed a resolution of Dr. H. K. Chatterjee, Member of the Senate and of the Faculty of Medicine, which urged for an early implementation of the regulations and also to establish a University College of Medicine within the University. The Senate authorised the Vice-Chancellor to form a Working Committee which would visit various Medical Colleges, Hospitals and Research Institutions in the city and submit a report regarding the facilities available for Post-Graduate Research and Teaching in these institutions and also for the teachers to be selected for the purpose and a Secretary to be appointed in this connection. Unfortunately, Dr. J. C. Ghosh left this University and the progress was again slowed down.

### University College of Medicine

A new Chapter was written on the 3rd March, 1956, when the Syndicate considered a proposal of Late Dr. Subodh Mitra, the then Dean of the Faculty of Medicine. Dr. Mitra emphasised the urgency to frame Statutes for making provisions for the University College of Medicine. He in collaboration with Dr. P. K. Banerjee, Member of the Senate, prepared a draft scheme regarding the proposed University College of Medicine, which was later on placed before the Syndicate for consideration. The Syndicate referred this scheme to the Post-Graduate Medical Co-ordination Committee. A conference was held in which members of the Co-ordination Committee and Heads of the different Medical Institutes and distinguished academicians participated and recommended that the Post-Graduate Medical Teaching in Calcutta should be conducted by and under the control of the University College of Medicine. This Committee in the same sitting also approved the proposal regarding formation of a Post-Graduate Council and framed necessary Statutes for the purpose. These Statutes and Ordinances were passed through various Bodies of the University including the University College of Medicine, the Faculty of Medicine, the Syndicate, the Academic Council and were finally approved by the Senate on 19th June, 1956. It got the seal and sanction of the Chancellor on the 15th January, 1957. It is our duty to express our gratitude for the invaluable guidance and support that was given to the University College of Medicine by Late Dr. N. K. Sidhanta, the then Vice-Chancellor. On 18th January, 1957, the University of Calcutta completed its 100 years of existence and celebrated its Centenary. Late Dr. B. C. Roy, the then Chief Minister of West Bengal, inaugurated the





University College of Medicine and within a few months of its inauguration, a Post-Graduate Course in the Basic Medical Sciences was arranged for the medical graduates. Thirty students were admitted in the first year and this bore testimony to the popular demand for this course. A Council of Post-Graduate Teaching in Medical Sciences was constituted with an Executive Committee. The management of the University College of Medicine was under the direct control and authority of this Council. Dr. P. K. Banerjee, Associate Professor of Physiology of the Calcutta National Medical College and a Member of the Senate was appointed to the post of a permanent wholetime Secretary of the Council. Various Post-Graduate Boards of Studies in different subjects in medical sciences were also constituted with teachers in the subjects as members.

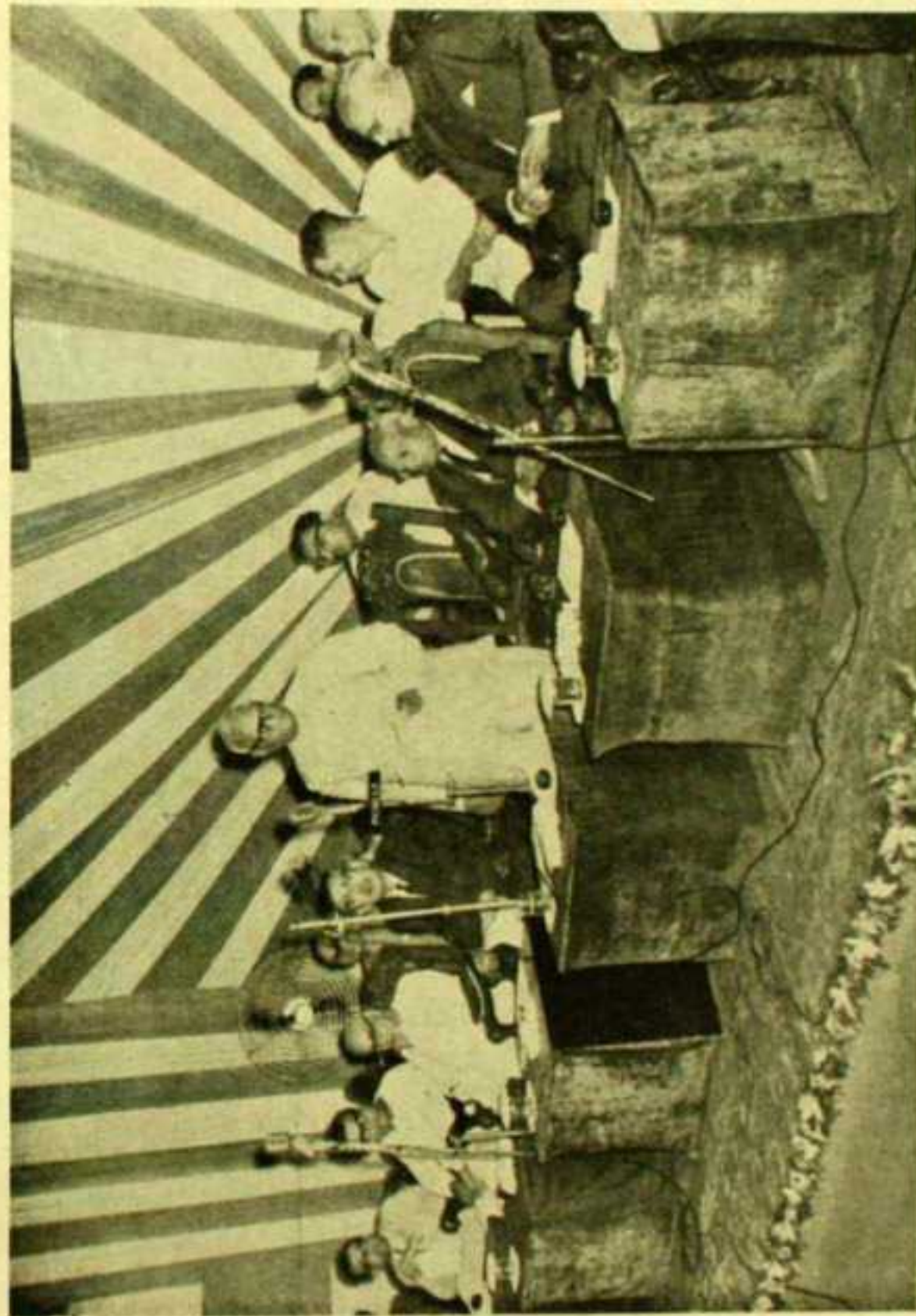
The aims and objectives of the University College of Medicine as accepted are :—

- (1) to provide Post-Graduate Teaching in Basic Medical Sciences ;
- (2) to admit candidates in different Post-Graduate diploma and degree courses and provide them integrated and advanced training ;
- (3) to co-ordinate and promote research work amongst the Post-Graduate teachers and research scholars ;
- (4) to create a cadre of teachers in Basic Medical Sciences and in clinical subjects ;
- (5) to plan and co-ordinate Post-Graduate Teaching and Research with other Universities ; and
- (6) to arrange Post-Graduate Seminar Courses for medical graduates intending to appear in different degree courses.

It would not be out of place here to mention certain facts about the University College of Medicine. In the proceedings of the Legislative Assembly held on 6.12.57 Late Dr. B. C. Roy, the then Chief Minister of West Bengal, replied to a question (98) by Dr. Narayanchandra Roy and unequivocally ascertained that "there is only one Post-Graduate Medical College and that is (functioning) under the University". Further, in reply to a supplementary question by Dr. Narayanchandra Roy, who enquired of the Minister about the relationship between the Institute of Post-Graduate Medical Education and Research and the University College of Medicine, Dr. B. C. Roy emphatically stated that they are "part of the same". These observations did wholly preclude any misunderstanding regarding the entity and authority of the University College of Medicine and will, we hope, set at rest all controversies regarding relationship of this College with other Institutes.

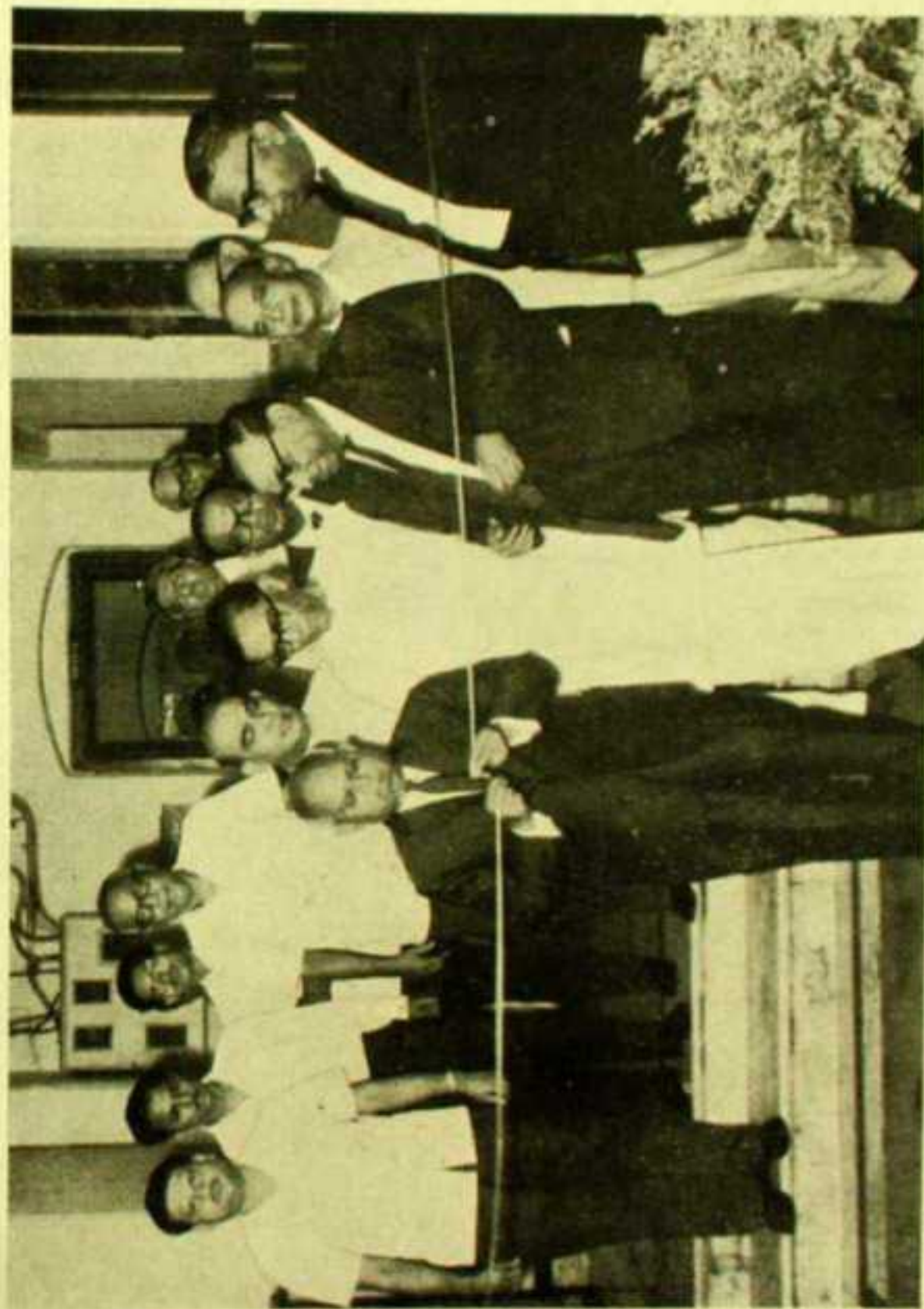
In the Second Five-Year Plan, the Planning Commission provided a sum of Rs. 20 lakhs for the improvement of Post-Graduate Medical Education in Bengal. It was the misfortune of the University College of Medicine that it did not receive any amount under this grant and as a result, it financially became anaemic. The University was already facing an economic stringency and could not, therefore, afford to place necessary funds at the disposal of the newly established University College of Medicine. Clouds broke into sun-shine when Dr. C. D. Deshmukh, the then Chairman of the University Grants Commission, inspected the





Sri V. V. Giri, Vice-President of India addressing at the Inauguration of the Gorkha Hospital,  
University College of Medicine.

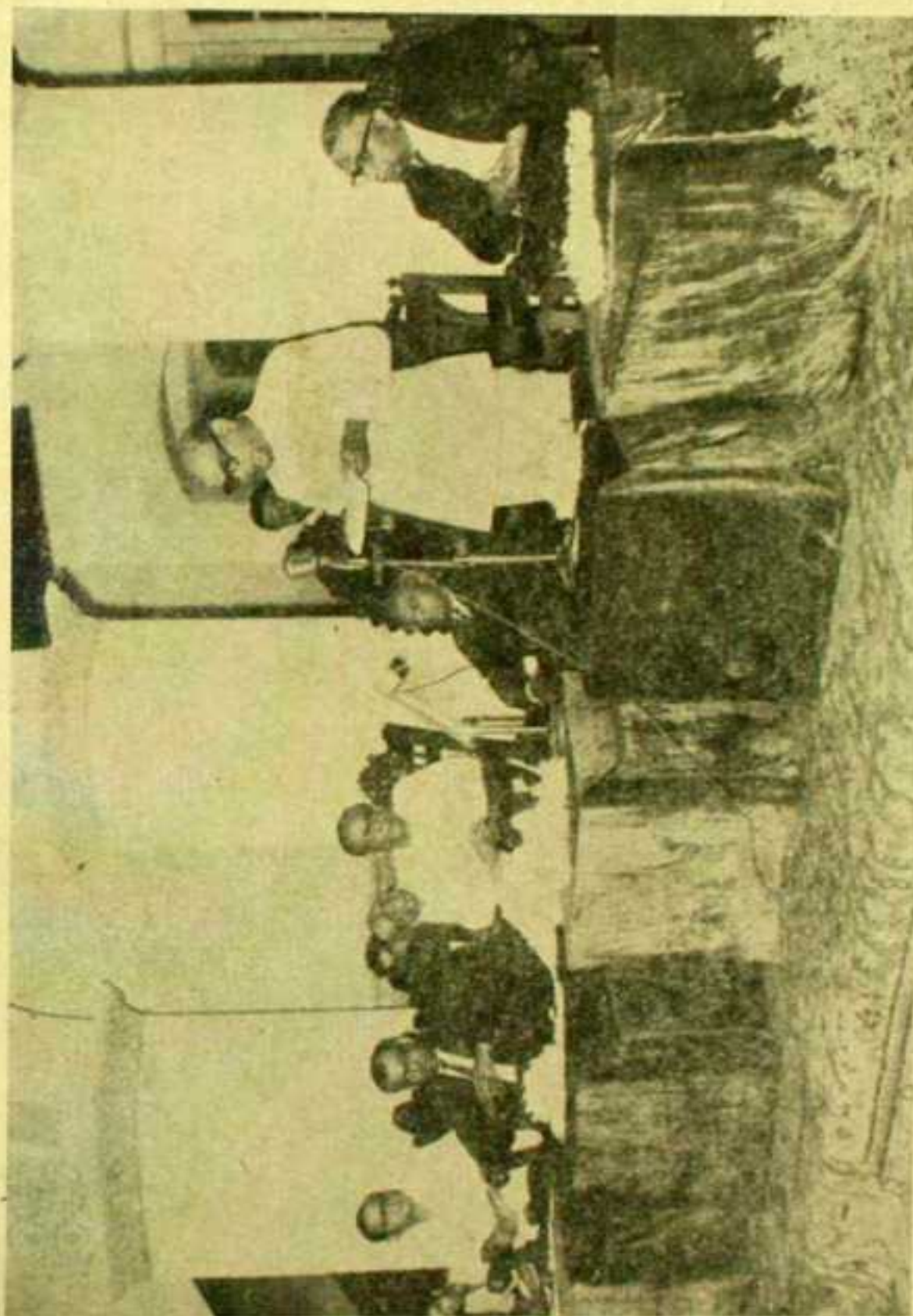




Opening of Out-door Department of Goa-da Hospital by Sri Dharma Vira, the Chancellor of Calcutta University  
with some of the members of the Governing Body—Vice-Chancellor, Dean, Faculty of Medicine,

Prof. P. K. Banerjee, Dr. Sanat Gupta and Sri K. P. Goenka





Dean, Faculty of Medicine is delivering a speech at the Opening Ceremony of the Goenka Hospital





University College of Medicine and commendably got interested in the programme of imparting instruction in Basic Medical Sciences. On the recommendation of its Visiting Committee, the University Grants Commission sanctioned a non-recurring grant of Rs. 25 lakhs with a proviso that one-third of the amount will also be paid by the State Government. The benign State Government not only accepted the proposal but also made available without cost a valuable plot of land, where now stands a beautiful and impressive four-storied building of the Institute of Basic Medical Sciences having the Departments of Anatomy, Physiology, Biochemistry, Pharmacology and Pathology including Bacteriology. Besides, a sum of Rs. 1.70 lakhs [was also sanctioned by the University Grants Commission as recurring expenses, 50% of which was borne by the State Government. The Foundation Stone of the building of the Institute of Basic Medical Sciences, University College of Medicine, was laid on the 1st July, 1961, by Late Dr. B. C. Roy at 244B, Acharya Jagadish Chandra Bose Road. There is no gainsaying the fact that Basic Medical Sciences constitute the foundation and form the pillars of a systematised scientific study of the clinical medical sciences. Establishment of the Institute of Basic Medical Sciences was, therefore, a great and revolutionary step towards the advancement of Post-Graduate medical education and research under this University. The Institute was formally inaugurated on the 10th April, 1967, by the National Professor, Dr. Satyendranath Bose. The ceremony was presided over by Sm. Padmaja Naidu, the then Chancellor of the University. A large number of distinguished guests, teachers, research scholars and Post-Graduate students attended the function. Since then, well-known experts from all parts of the world, have visited this Institute and have been unsparing in their praise of the Institute. Besides the departments of Basic Medical Sciences, there are now provisions for 21 other clinical departments in the University College of Medicine in different branches of medicine. All these departments form an organic whole and contribute equally towards an integrated academic, clinical and medicinal education in the University College of Medicine. The clinical departments under the University College of Medicine are as follows :

(1) Dermatology, (2) Radiology and Radio-therapeutics, (3) Child Health, (4) Psychological Medicine, (5) Neurology, (6) Cardiology, (7) Cancer Research, (8) Ophthalmology, (9) Diseases of the Chest, (10) Chest Surgery, (11) Orthopaedics, (12) Obstetrics & Gynaecology, (13) General Surgery, (14) General Medicine, (15) Disease of Ear, Nose and Throat, (16) Neuro Surgery, (17) Plastic Surgery, (18) Anaesthesiology, (19) Venereology, (20) Tropical Medicine, (21) Experimental Surgery.

#### **Goenka Hospital of the University College of Medicine**

The University College of Medicine was by now a fully established Institution functioning as an integral part of the University of Calcutta. Various departments were functioning and the progress was very satisfactory, but unfortunately the University College of Medicine did not have a hospital of its own. In order to ensure a scientific and practical working, an attached hospital is always a 'must' for any Medical College. We are, indeed, indebted to the famous Goenka Family, which came forward and donated its munificent



palatial and ancestral building covering nearly 3 bighas of land at 145, Muktaram Babu Street, Calcutta, for this purpose. Their philanthropy was once again proved and benevolence testified when Sir Badrinarayan Goenka, Sri Ishwari Prasad Goenka, Sri Jagmohan Goenka readily acceded to the request of Dr. S. N. Sen, Vice-President of the University College of Medicine and Dean of the Faculty of Medicine.

We gratefully acknowledge the support and services lent to us in this connection by Dr. B. Malik, the then Vice-Chancellor of the Calcutta University and Sri K. M. Lodha, Head of the Department of Hindi, Calcutta University. This building, situated in Central Calcutta, has solved the problem of the acute necessity of having a hospital attached to the University College of Medicine. Sri V. V. Giri, Vice-President of India, performed the inaugural ceremony of the Goenka Hospital on the 12th August, 1967, which was presided over by Sri Dharma Vira, Governor of West Bengal and Chancellor of the University of Calcutta. Sri Ajoy Kumar Mukherjee, Chief Minister of West Bengal and Sri Nani Bhattacharyya, Minister of Health, West Bengal, were kind enough to consent to be the Chief Guest and the Guest of Honour on this sacred occasion. Planning and execution of this hospital were due to indomitable zeal and emulative interest taken by Dr. Sailendra Nath Sen, Dean of the Faculty of Medicine and Dr. P. K. Banerjee, Secretary to the College.

On the recommendation of the Medical Council of India, the Senate on 4th March, 1967, adopted regulations for Doctor of Medicine (M.D.) in General Medicine and in different specialities, Master of Surgery in General Surgery and in different specialities, M.S. in Obstetrics and Gynaecology as well as M.D. and M.S. in different Pre-clinical and Para-clinical subjects. Up till now there were no regulations for M.D. and M.S. in Pre-clinical and Para-clinical and specialities. A novel feature in these regulations is that the examination will be held in two parts (Part I and Part II). Part I includes the Applied Part of Basic Medical Sciences and Part II includes the Para-clinical or clinical subjects, as the case may require. This useful, necessary and wholesome major academic change could be introduced due to the far-sighted and praiseworthy efforts of Dr. S. N. Sen, Dean of the Faculty of Medicine and the Vice-President, University College of Medicine and Dr. P. K. Banerjee, the then Secretary, University College of Medicine.

The Department of Health, Education and Welfare of the United States of America realised the importance and usefulness of our endeavour and happily got interested in our scheme of study of the orthopaedically handicapped related to advanced research work in Prosthetics and Orthotics and rehabilitation. The Orthopaedic Department of the University College of Medicine received a munificent grant of Rs. 7.45 lakhs under the scheme of Vocational Rehabilitation Administration (V.R.A.). The first instalment of Rs. 3,72,814 has already been received by the University. Dr. K. S. Bose, Head of the Department of Orthopaedics, should be thanked for this success as it was due to his efforts that we could procure this grant.

On the 27th June, 1968, the following out-patients departments of the Goenka Hospital were also opened by Sri Dharma Vira, Governor of West Bengal and Chancellor of the University :—

- (1) Orthopaedic Out-patients Department ;





A view of the workshop (Artificial Limb Centre) under V. R. A. Scheme, Department of Orthopaedic, Goenka Hospital



A view of the artificial limb preparing in the workshop of the V. R. A. Project, Department of Orthopaedic





- (2) Dermatology Out-patients Department ;
- (3) Cardiology Out-patients Department ;
- (4) Radiology Out-patients Department.

Arrangements are now in progress to open other out-patients departments and also some indoor beds in the hospital for research in special medical problems. From July, 1968, the out-patients department for treatment of Orthopaedic cases started functioning under the direct supervision of Dr. K. S. Bose, Head of the Department of Orthopaedic Surgery. A workshop has also been set up in this hospital and this workshop is a unique institution of its kind in this part of our country as it ensures a regular supply of Orthotic and Prosthetic appliances to the deserving patients. These facilities will also be extended to other deserving and orthopaedically disabled patients of various State hospitals on the recommendation of the Health Authorities of the State Government, who have already been informed of our objectives in this regard. With the help of the State Government and X-ray manufacturers, Messrs. Picker's International Corporation, the Orthopaedic Department has been provided with the first X-ray Machine made in our country. Dr. P. K. Banerjee who worked as the Secretary and Post-graduate teacher in Physiology in the University College of Medicine for 13 years was appointed Sir Nilratan Sircar Professor of Physiology and Dr. A. K. Dutta joined the post as his successor.

The preceding synopsis and outlines bear ample testimony and evidence to the fact that the University College of Medicine is an institution which is doing yeoman's service in the field of medicine and health. It is working with a spirit of mission and dedication and is helping to prepare a band of noble young men who would go out of the portals of this University well-equipped with a sound and modern knowledge of medical sciences and with a torch of learning to help those unfortunate millions suffering from various diseases and ailments. Scope of knowledge in the field of medical science and research shows ever-expanding horizon and it is our aim and duty to so activitise the University College of Medicine that it may serve the needs and demands of the time and contribute its mite to establish the foundation of a happy and healthy society where all are equally benefited.

It would not be out of place here to recollect and acknowledge gratefully the assistance and services the University College of Medicine received from all the Vice-Chancellors of this University. We have no words to express our feelings of gratitude towards Late Dr. B. C. Roy and Dr. Subodh Mitra, who literally worked themselves out in the cause and service of medical education in this University. It is our privilege that in the footsteps of the noble persons, Dr. S. N. Sen, our present Dean of the Faculty of Medicine and other members of the Teaching Staff of the University College of Medicine have been working conscientiously, devotedly and selflessly to make the University College of Medicine a great name in the great annals of this ancient University. With the goodwill of the people of this great land who, we hope, will lend their full support to us in our endeavour to fight death and diseases of man, we are sure that the University College of Medicine would develop into a great institution.





## MANAGEMENT OF THE UNIVERSITY COLLEGE OF MEDICINE

The management of the University College of Medicine is vested in the Council for Post-Graduate Studies in Medicine :

*Chairman*—Dr. Satyendranath Sen, M.A., Ph.D. (Lond.), Vice-Chancellor.

*Vice-Chairman*—Dr. Purnendukumar Bose, M.Sc., D.Phil., Pro-Vice-Chancellor for Academic Affairs.

Dr. S. N. Sen, M.B., F.R.C.P. (Edin.), F.S.M.F., Dean, Faculty of Medicine.

Prof. D. Chakrabarti, D.Sc., F.N.I., Dean, Faculty of Science.

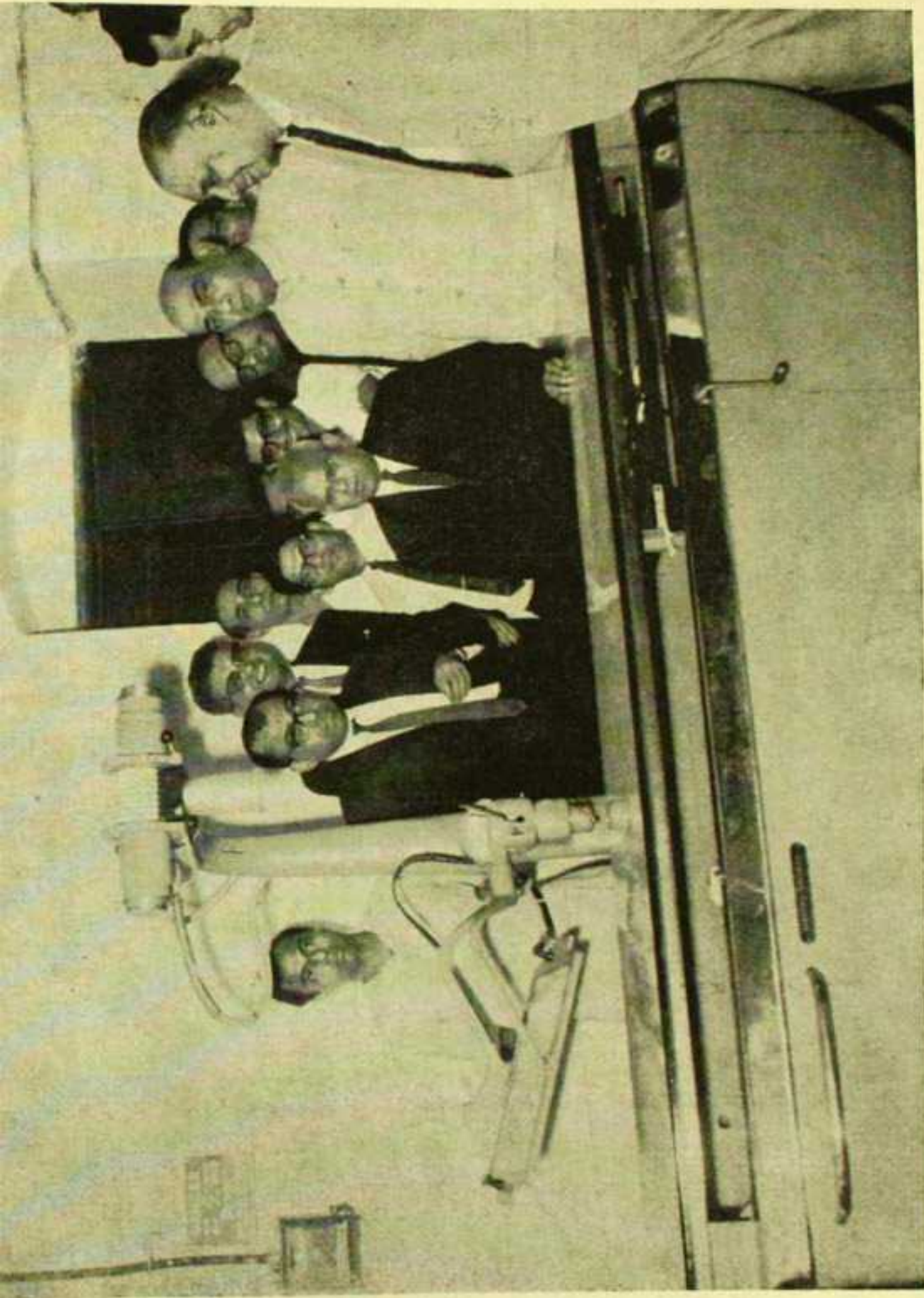
Dr. A. K. Datta, M.B.B.S., D.Dermat., D.T.M. & H., D.Phil., Secretary, Council for Post-Graduate Studies in Medicine.

### *Heads of the Post-Graduate Departments :*

Name	Department
Prof. M. L. Pan, M.B., L.R.C.P. (Lond.), F.R.C.S. (Edin.)	Anatomy
Prof. P. K. Banerjee, M.Sc., M.B.B.S., D.Phil.	Physiology
Dr. S. R. Dasgupta, M.B.B.S., D.Phil.	Pharmacology
Dr. N. Roy, M.B.B.S., D.Phil.	Pathology including Bacteriology.
Dr. A. K. Maiti, M.Sc., M.B.B.S., D.Phil.	Biochemistry
Sri S. K. Mukherjee, M.B., M.R.C.P. (Eng.), D.T.M. & H. (Lond.)	General Medicine
Sri D. L. Poddar, M.B., F.R.C.S. (Edin.), F.R.C.O.G.	Obstetrics & Gynaecology.
Sri H. Barat, M.B., F.R.C.S. (Edin.), D.A., F.F.A.R.C.S. (Eng.)	Anaesthesiology
Sri A. K. Basu, M.S. (Cal.), F.R.C.S. (Eng.), F.A.C.S.	Chest Surgery
Sri K. S. Bose, M.B., M.S.	Orthopaedics
Sri N. Banerjee, M.B., F.R.C.S., D.L.O.	Diseases of Ear, Nose & Throat.
Sri B. N. Banerjee, M.B. (Cal.), F.R.C.P. (Edin.), F.A.A.D. (U.S.A.)	Dermatology
Sri C. C. Saha, M.Sc., M.B., D.T.M. (Cal.), F.R.C.P. (Lond. & Glass.)	Psychological Medicine.
Dr. T. K. Ghosh, M.D. (Cal.)	Neurology
Dr. P. K. Sen, M.B. (Cal.), M.D. (Berlin), Ph.D. (Wales), T.D.D. (Wales), F.C.C.P., F.N.I.	Diseases of Chest
Sri N. K. Munsî, M.B. (Cal.), D.O.M.S. (Lond.)	Ophthalmology

*N.B.*—The Heads of the following departments will become members of the Council on their appointment : General Surgery, Radiology & Radiotherapeutics, Cardiology, Child Health, Neuro-Surgery, Plastic Surgery, Tropical Medicine, Experimental Surgery and Cancer Research.





Sri Dharamavira, Governor of West Bengal and Chancellor of the Calcutta University inspecting the X-Ray machine at the Goenka Hospital.



*Five Teachers elected by the Teachers of Constituent and Professional Colleges :*

- Sri S. C. Bandyopadhyay, M.B.B.S., M.S.  
 Sri N. Basu, M.B.B.S., D.O.M.S. (Lond.), F.R.C.S. (Edin.)  
 Sri T. Debmulik, M.B.B.S., M.S. (Cal.)  
 Dr. B. Raychaudhuri, M.B.B.S., M.D.  
 Dr. R. Sen, M.B., Dip. Bact., Ph.D., F.R.I.P.H.H.

*Five Teachers elected by the Teachers of the University College of Medicine (not being Professors or Heads of the Departments) :*

- Sri M. Goswami, M.Sc., M.B.B.S.  
 Dr. N. Ray, M.B.B.S., M.D.  
 Dr. S. Sikdar, M.B.B.S., M.D. (Agra)  
 Dr. N. K. Mitra, M.B.B.S., D.T.M., Dip.B.M.S., D.C.P., D.Phil.  
 Dr. N. Chakrabarti, M.B.B.S., M.Sc. (Med.), D.Phil.

*Three persons elected by the Academic Council :*

- Prof. P. K. Banerjee, M.Sc., M.B.B.S., D.Phil.  
 Sri R. K. Dattaachaudhuri, B.Sc., M.B.B.S., M.C. Path. (Lond.)  
 Sri K. K. Ghosh, M.B., F.R.C.S.

*Other Members :*

- The Director of Health Services, Government of West Bengal.  
 The Director, School of Tropical Medicine.  
 The Director, All India Institute of Hygiene & Public Health.  
 The Director, Institute of Child Health.  
 The Director, Institute of Post-Graduate Medical Education & Research.  
 The Principal, Calcutta Medical College.  
 The Principal, R. G. Kar Medical College.  
 The Principal, Chittaranjan Seva Sadan College of Obstetrics, Gynaecology & Child Health.







### Names of the Departments approved by Senate

1. Department of Anatomy.
2. Department of Physiology.
3. Department of Biochemistry.
4. Department of Pharmacology.
5. Department of Pathology including Bacteriology.
6. Department of General Medicine.
7. Department of General Surgery.
8. Department of Obstetrics & Gynaecology.
9. Department of Radiology & Radiotherapeutics.
10. Department of Dermatology.
11. Department of Cardiology.
12. Department of Psychological Medicine.
13. Department of Anaesthesiology.
14. Department of Venereology.
15. Department of Diseases of Ear, Nose, & Throat.
16. Department of Ophthalmology.
17. Department of Orthopaedics.
18. Department of Child Health.
19. Department of Cancer Research.
20. Department of Chest Surgery.
21. Department of Neurology.
22. Department of Diseases of Chest.
23. Department of Experimental Surgery.
24. Department of Neuro-Surgery.
25. Department of Plastic Surgery.
26. Department of Tropical Medicine.

### Post-Graduate Medical Degree and Diploma Courses Conducted in the University College of Medicine

#### DEGREE COURSES

Name of the Courses	Duration
M.S. in Anatomy	2 Years
M.D. in Physiology	Do.
M.D. in Pharmacology	Do.
M.D. in Pathology including Bacteriology	Do.
M.D. (General Medicine)	{ Part I—6 months Part II—2 Years
M.S. (General Surgery)	{ Part I—6 months Part II—2 years
M.S. (Obstetrics & Gynaecology)	{ Part I—6 months Part II—2 years
M.D. (Dermatology)	{ Part I—6 months Part II—2 years
M.D. (Psychological Medicine)	{ Part I—6 months Part II—2 years
M.S. (Anaesthesiology)	{ Part I—6 months Part II—2 years
M.S. (Orthopaedics)	{ Part I—6 months Part II—2 years
M.Sc. (Med.) in Anatomy	2 years.
M.Sc. (Med.) in Physiology	Do.
M.Sc. (Med.) in Pharmacology	Do.
M.Sc. (Med.) in Pathology including Bacteriology	Do.





## DIPLOMA COURSES

Dip.B. M.S.	1 year
D. M.R.D.	{ Part I—6 months Part II—1 year 6 months
D. M.R.T.	{ Part I—6 months Part II—1 year 6 months
D.Dermat.	1 year
Dip. Card.	1 year
D.P.M.	{ Part I—1 year Part II—1 year
D.L.O.	{ Part I—6 months Part II—1 year
D.A.	{ Part I—6 months Part II—6 months
D.V.	1 year
D.O. M.S.	{ Part I—1 year Part II—1 year

In addition to the abovementioned courses the University College of Medicine also conducts annual Lecture-Seminar Courses to impart training to the students registered for appearing in M.D., M.S., and M.O. Examinations under old regulations. The number of students admitted each year is shown below :—

	1957-58	1958-59	1959-60	1960-61	1961-62	1962-63
M.D.	33	16	7	6	8	4
M.S.	21	8	10	13	10	15
M.O.	22	15	7	14	4	2
	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69
M.D.	3	3	4	5	3	—
M.S.	11	24	18	22	15	10
M.O.	2	3	1	3	7	3

Besides these prescribed courses, research works for admission to the degree of D.Phil. (Med.) in Anatomy, Physiology, Pharmacology, Pathology and Biochemistry as well as D.Phil. (Science) in Physiology are also conducted.

*N.B.*—M.Sc. Courses in Basic Medical Sciences are open to non-medical science graduates suitably qualified for the same.





**HEADS OF THE POST-GRADUATE DEPARTMENTS OF THE UNIVERSITY  
COLLEGE OF MEDICINE**

Prof. M. L. Pan, M.B., L.R.C.P., F.R.C.S.—Anatomy

Prof. P. K. Banerjee, M.Sc., M.B.B.S., D.Phil.—Physiology

Dr. S. R. Dasgupta, M.B.B.S., D.Phil.—Pharmacology

Dr. A. K. Maiti, M.Sc., M.B.B.S., D.Phil.—Biochemistry

Dr. N. Roy, M.B.B.S., D.Phil.—Pathology including Bacteriology

Dr. B. N. Banerjee, M.B. (Cal.), F.R.C.P. (Edin.), F.A.A.D. (U.S.A.)—Dermatology  
and Venereology.

Dr. P. K. Sen, M.B. (Cal.), M.D. (Berlin), Ph.D. (Wales), T.D.D. (Wales), F.C.C.P.,  
F.N.I.—Diseases of Chest.

Dr. C. C. Saha, M.Sc., M.B., D.T.M. (Cal.), F.R.C.P. (Lond. & Glas.)—Psychological  
Medicine.

Dr. A. K. Basu, M.S. (Cal.), F.R.C.S. (Eng.), F.A.C.S.—Chest Surgery

Dr. N. K. Munsii, M.B. (Cal.), D.O.M.S. (Lond.)—Ophthalmology

Dr. S. K. Mukherjee, M.B.B.S., D.T.M. & H., M.R.C.P.—General Medicine

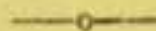
Dr. D. L. Poddar, M.B. (Cal.), F.R.C.S., F.R.C.O.G.—Obstetrics & Gynaecology

Dr. N. Banerjee, M.B., D.L.O., F.R.C.S.—Diseases of Ear, Nose and Throat

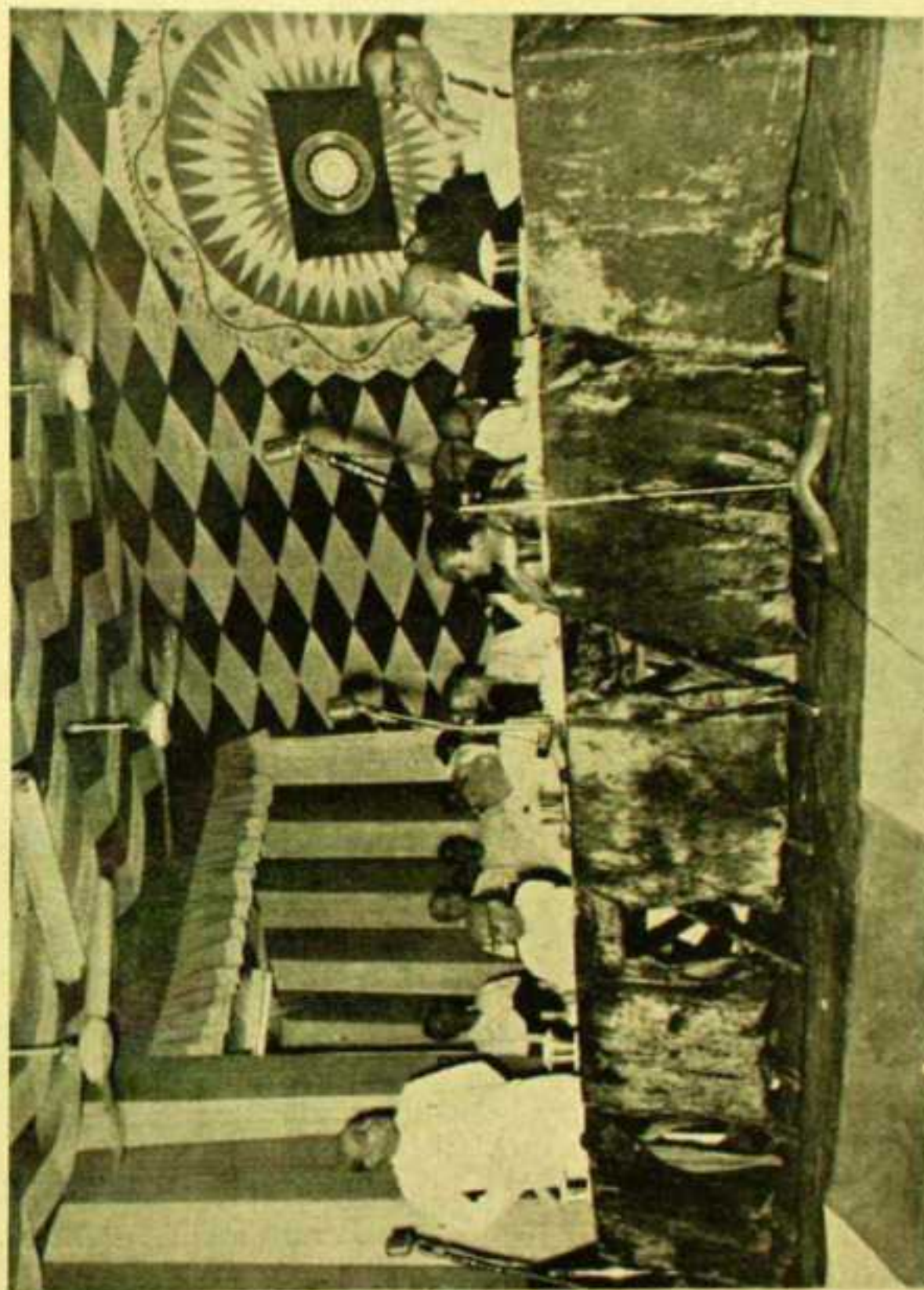
Dr. H. Barat, M.B. (Cal.), F.R.C.S. (Edin.), D.A. (Lond.), F.F.A.R.C.S.—Anaesthesio-  
logy.

Dr. T. K. Ghosh, M.D. (Cal.) —Neurology

Dr. K. S. Bose, M.B., M.S. (Cal.)—Orthopaedics







The Dean, Faculty of Medicine is delivering speech at the Opening Ceremony of the Institute of Basic Medical Sciences.





## THE DEPARTMENTS

### A Short Review of Teaching Staff, Curriculum, Research and other Activities

The commencement of the centenary celebration was marked by the inauguration of the University College of Medicine on 18th January, 1957, by late Dr. B. C. Roy. This, in fact, ushered in a new era in the field of post-graduate medical education in West Bengal. One of the most spectacular achievements was the introduction of systematised and integrated course of Basic Medical Sciences at the post-graduate level under the auspices of the University College of Medicine, Calcutta University, for the first time. During the inauguration of the Basic Medical Sciences Course the then Vice-Chancellor, Late Dr. N. K. Sidhanta very rightly emphasised its significance in the field of medical education and research in the following languages :—

"The inauguration of the Basic Medical Science Course in our University College of Medicine is another landmark in the history of medical studies in the Calcutta University. Physiology and Anatomy (and to some extent, even Pharmacology) have so far been the Cinderellas of our Medical Colleges! Very few of our qualified personnel have cared to choose these branches as their specialities and to do post-graduate or research work in them. I shall not attempt to specify the reasons for fear of offending the medical and surgical leaders of the profession. The time has, however, come for the University to take the Basic Medical Sciences more seriously and to give adequate advanced training to those who want to devote themselves to a career of teaching and research. The course which is being inaugurated is the first step in this direction, but for the achievement of its ends the University has to depend on the Government for the supply of proper facilities and finance. With a great medical scientist as the Chief Minister of State we are confident of being able to secure this support and look forward to the future with hope and faith."

For imparting training and invigorating research activities in the different branches of Basic Medical Sciences, the University authority approved creation of five departments, *viz.*, Anatomy, Physiology, Biophysics & Biochemistry, Pathology, Bacteriology & Medical Zoology, Pharmacology and Experimental Surgery at the initial stage. But because of extreme paucity of accommodation at the outset the University had no other alternative than to start with by federating various medical colleges and allied institutions at Calcutta with a view to co-ordinating higher studies and researches.

These departments were allowed to function as such till the building of the Institute of Basic Medical Sciences could be constructed at 244 B, Acharya Jagadish Chandra Bose Road, Calcutta-20, with the financial aid from the U.G.C. and the State Government in 1966. As the accommodation problem for the departments of Basic Medical Sciences Course was solved to a certain extent at the construction of the building, these departments could be centralised in a single Institute.

In the meantime, various departments of the clinical subjects were also started. All these clinical departments continued to grow and function by way of federating some of the Medical Institutions of Calcutta. Only recently, however, it has been made possible to





locate many of the Clinical Departments, viz., Orthopaedics, Radiology, Dermatology, Anaesthesiology, Cardiology etc. in the newly opened Goenka Hospital, University College of Medicine at 145, Muktaram Babu Street, Calcutta-7. It should be noted here that while the most part of teaching and research activities in the Departments of Basic Medical Sciences is carried on by our full-time and part-time teachers, the teaching work in the clinical subjects, on the other hand, is accomplished by respective Heads of the Departments and extra-mural teachers. Besides these categories of teachers associated with our routine works, the departmental teaching is often supplemented and complemented with services of U.G.C. teachers and teachers of allied University Colleges on requisition. A short description to indicate the gradual progress of the different departments is appended below.

### Department of Anatomy

This department was initially located in R.G. Kar Medical College. Dr. H. K. Chatterjee, M.B., D.A.E. (Paris), one of the extra-mural teachers in the subject at that time, acted as Head of the Department from its inception in 1957 till March, 1960. In April, 1960, University made appointment of two whole-time Readers—Dr. H. K. Chatterjee, M.B., D.A.E. (Paris) and Dr. P. R. Roy, B.Sc., M.B.B.S., Ph.D. (St. Andrews). Dr. Chatterjee continued to act as Head of the Department also. At the same time Dr. N. Goswami, M.B., Ph.D., joined the Department as a part-time lecturer to which post he is still continuing. In 1962, three posts of whole-time lecturers were created under the patronage and financial grant of U.G.C. and State Government. In the same year, Dr. N. C. Chakraborty, M.B.B.S., M.Sc. (Med.), D.Phil., joined the department as one of its whole-time lecturers, the other two posts having been filled up by the appointment of Dr. A. K. Dutta, M.B.B.S., M.Sc. (Med.) and Dr. M. M. Mukherjee, M.B.B.S., M.Sc. (Med.) in 1965. On 31.12.64 Dr. H. K. Chatterjee retired as Head of the Department but continued to render services as U.G.C. teacher in Anatomy. Following Dr. Chatterjee's retirement Dr. P. R. Roy, B. Sc., M.B.B.S., Ph.D. (St. Andrews), Reader, took over the charge as Head of the Department and continued as such till Dr. M. L. Pan, M.B. (Cal.), L.R.C.P. (Lond.), M.R.C.S. (Eng.), F.R.C.S. (Edin.) was appointed the Centenary Professor and Head of the Department in 1967. The department is at present steadily progressing under the guidance of Dr. Pan.





A view of a demonstration class in the Anatomy Dept. at the Institute of Basic Medical Sciences—Professor, Readers and Lecturers are also present



**Present Teaching Staff***University Teachers :*

Prof. M. L. Pan, M.B., L.R.C.P., F.R.C.S.	Professor and Head of the Dept.
Dr. P. R. Roy, B.Sc., M.B.B.S., Ph.D. (St. Andrews)	Reader
Dr. N. C. Chakravorty, M.B.B.S., M.Sc. (Med.), D.Phil. (Med.)	Lecturer
Dr. M. M. Mukherjee, M.B.B.S., M.Sc. (Med.)	Lecturer
Dr. A. K. Datta, M.B.B.S., M.Sc. (Med.)	Lecturer
Dr. N. Goswami, M.B.B.S., Ph.D.	Part-time Lecturer
Dr. M. Bose, M.Sc., D.Phil.	Teachers of University College of Science.
Sri G. S. Roy, M.Sc.	
Sri A. Banerjee, M.Sc.	

*Extra-mural Teachers :*

Dr. P. Bose, M. B., D.T.M.
Dr. S. C. Laha, M.B.B.S., Ph.D.
Dr. U. C. Chakraborty, M.B. (Cal.), F.R.C.S. (Eng.)
Dr. B. Mukherjee, M.B.B.S., M.S.
Dr. A. C. Mukherjee, M.B., D.T.M., M.Sc. (Cal.)

*U. G. C. Teacher :*

Dr. H. K. Chatterjee, M.B., D.A.E. (Paris)
--





### (1) Teaching of M.S. (Anatomy) Course in Anatomy

#### *General :*

An outline of the History of Anatomy ; Ossification and epiphyseal union ; Factor influencing bone growth ; Blood vascular system—general consideration ; Genetics and heredity ; Joints—general consideration ; Muscles—voluntary and involuntary—general considerations.

#### *Respiratory system :*

The thoracic cage ; Mechanism of respiration ; Thoracic mediastinum ; Trachea and bronchial tree ; Segmental anatomy of the lung ; Evolution and development of diaphragm ; Anatomy of the sub-phrenic region ; Nasal cavity—septum-meati ; Paranasal sinuses—influence of age on development of sinuses ; Development of nose—nasal anomalies ; The larynx ; Evolution and development of respiratory system and of the larynx.

#### *Cardio-vascular system :*

Evolution and development of mammalian heart ; Developmental anomalies of the heart ; Pericardium and its relations—anchorage of the heart ; The heart ; its relations, chambers, orifices and valves ; The myocardium and endocardium ; The conducting system of the heart ; Vascular supply of the heart—coronary circulation ; Innervation of the heart.

#### *Digestive system :*

Anatomy of the floor of the mouth ; Development of tongue—anomalies ; The salivary glands—cysts and fistulae ; The palate and its anomalies ; The pharynx—mechanism of deglutition ; The tonsils—palatine and pharyngeal ; Lymphatics of tongue, naso-pharynx, pharynx and larynx ; The oesophagus—diverticula and other anomalies ; Gall bladder, caecum, appendix—anomalies ; Rectum and anal canal—clinical importance and anomalies ; Lymphatic drainage of gastro-intestinal system.

#### *Genito-urinary system :*

Development and developmental anomalies of genito-urinary system ; Descent of testes—anomalies of descent ; Anatomy of the prostate and its clinical importance ; Supports of uterus and their clinical importance ; External genitalia—male and female ; The pelvic lymphatics and lymphatic drainage of genito-urinary system ; The Pro-, Meso-, and Meta-nephros and their anomalies ; Development of Genital system and its anomalies in different sexes ; The uterus ; Perimetrium and Parametrium ; The Mullarian apparatus and its congenital anomalies.

#### *Integumentary system :*

Evolution and development of the skin ; Appendages of the skin ; Histology of skin and its appendages ; Vascular supply and innervation of skin.

#### *Arthrology :*

The mechanisms of knee-joint and associated movements of patella ; Arches of the foot—deformities ; The pelvic joint and their mechanisms.



*Endocrine system :*

The thyroid and parathyroid glands and their anomalies.

*Special sense :*

External ear and tympanic membrane ; Middle ear and pharyngotympanic tube ; Development of ear—anomalies ; The innervation of eye muscles and movements of eye-ball ; The tunics and refractive media of the eye-ball.

*Nervous system :*

Nerve tissue—general consideration ; Histogenesis of neural epithelium ; Myelination of nerve fibres ; Degeneration and regeneration of nerve fibres ; Spinal cord—spinal nerve—spinal meninges (Practical demonstration) ; Cerebrum—cerebellum—brain stem—ventricles—meninges (Practical demonstration) ; Aff. system—classification and general considerations ; Somesthetic and kinesthetic system including trigeminal nerves ; The olfactory system and the rhinencephalon ; The optic system ; The auditory and vestibular systems ; Cerebral cortex—morphology—functional areas—localisation of functions ; The pyramidal and extra pyramidal systems ; The lower motor neurone ; The cerebellum ; Motor functions and their mechanisms—normal ; The autonomic nervous systems ; The association fibres of the nervous system ; The blood supply of nervous system and vascular phenomena ; Cerebro-spinal fluid—formation—circulation and clinical importance ; Methods of investigation of nervous system.

*Regional Anatomy :*

Anatomy of the palm ; Lymphatics of the superior extremity including the mammary gland ; Anterior abdominal wall—rectus sheath—umbilicus ; Inguinal canal : its clinical importance and protective mechanism ; Perineal pouches and ischio-rectal fossae ; The peritoneum and its related sacs and recesses ; The face and facial anomalies ; Bronchial cyst and fistulae ; The deep cervical fascia.

*Special Anatomy :*

Anatomy of the child (including radiological anatomy).

*General histology :*

The cell—its structure, constituents—functions and role of each ; Histological techniques ; Histology of nerve tissue and techniques.

Practical classes were held throughout the year as per syllabus prescribed.

**(2) M.D. (General Medicine) Part I, M.S. (General Surgery) Part I, &  
M.S. (Obstetrics & Gynaecology) Part I**

In the revised regulation, the M.D. (General Medicine), M.S. (General Surgery), & M.S. (Obstetrics & Gynaecology) will be held in two parts. The part I includes teaching of applied Anatomy, Applied Physiology, Applied Pharmacology & Applied Pathology including Bacteriology. Post-graduate lectures, demonstrations, seminars & practical classes were arranged for these students.

Subjects taught for M.D. (General Medicine) Part I, M.S. (General Surgery) Part I & M.S. (Obstetrics & Gynaecology) Part I courses :



## M.D. (GENERAL MEDICINE) PART I COURSE

*Subjects :*

General consideration of urogenital system.

Kidney—its development, structure and renal circulation.

Liver, gall bladder and portal vein with applied importance.

Cerebellum.

Cerebrum.

Afferent system—afferent pathways.

Spinal cord and meninges.

Intracranial meninges, ventricle, subarachoid space—C.S. Fluid.

Development and developmental anomalies of heart.

General consideration of G. I. Tract with special reference to rectum and anal canal.

Pericardium and anchorage of heart.

Structure of the heart.

Chambers of the heart—orifices and valves of the heart.

Conducting system of the heart.

Coronary circulation—innervation of heart.

Anatomical basis of cardiac failure.

Pyramidal and extra-pyramidal system.

Lower motor neurone.

Blood vessels of nervous system.

Autonomic nervous system including hypothalamus.

Classes on surface marking.

Histology.

Urinary bladder, urethra, Mechanism of micturition, congenital anomalies, applied importance with special reference to incontinence of urine.

Demonstration and Practical Programme will be arranged by the Head of the Department.

## M.S. (GENERAL SURGERY) PART I COURSE

*Subjects :*

Thoracic cage—principles underlying its formation : muscles and mechanism of respiration.

Thoracic Mediastinum.

Pleura and pleural recesses—Applied importance.

Oral cavity—palate, tongue and floor of the mouth.

Trachea, Bronchial tree.

Segmental anatomy of lung : Applied importance.

Pharynx—Congenital anomalies.

Nasal cavity and congenital anomalies.

Base of skull.

Temporo-mandibular joint.

General consideration of urogenital system.

Kidney—its development and structure and renal circulation.

Liver, gall bladder, portal vein with applied importance.





Spinal nerves and peripheral nerve plexus.

Afferent system : Afferent pathways.

Spinal cord and meninges.

Intracranial meninges, ventricles, subarachnoid space, C.S. Fluid.

General consideration of G.I. Tract with special reference to rectum and anal canal.

Shoulder joint and elbow joint—its movements and applied importance.

Vertebral column.—anomalies.

Development and congenital anomalies of Nervous system.

Lymphatics of abdomen and pelvis.

Pyramidal and extra-pyramidal system.

Lower motor neurone.

Blood vessels of nervous system.

Autonomic nervous system including hypothalamus.

Stomach, duodenum.

Pancreas, spleen appendix.

Pelvic floor, its wall and pelvic diaphragm.

Reproductive system of male and female with reference to testes, epididymis, vas, prostate, seminal vesicle.

External genitalia in male and female with special reference to penis, scrotum, vulva, Bartholin's gland.

Uterus and its appendages, vagina : Congenital anomalies and anchorage of uterus.

Urinary bladder and urethra : Mechanism of Micturition : Congenital anomalies : Applied importance with special reference to incontinence of urine.

Demonstration and Practical Programme will be arranged by the Head of the Department.

#### M.S. (OBSTETRICS & GYNAECOLOGY) PART I COURSE

##### *Subjects :*

Fertilisation and the fertilised ovum : Subsequent changes in the uterus—Implantations and pregnancy.

Placenta and umbilical cord—developments, types and anomalies.

Changes in the fertilised ovum—formation of inner cell mass and its subsequent changes.

Development of different organs of reproductive system in female and their anomalies.

Gross anatomy of uterus—its appendages : blood supply and lymphatic drainage.

Gross Anatomy of Vulva, Vagina and Ovary—its blood supply and lymphatic drainage.

Perimetrium and parametrium.

Pelvic part of female ureter with special reference to site of injuries during gynaecological operation.

Breast—its lymphatic drainage and changes during pregnancy and lactation.

General consideration of G. I. Tract with special reference to rectum and anal canal.

Histology.

Pelvic wall, pelvic floor and pelvic diaphragm.

Uterus—its appendages, vagina, congenital anomalies, and anchorage of uterus.

Anatomy of prolapse of uterus.

Urinary bladder, urethra, mechanism of micturition, congenital anomalies, applied importance with special reference to incontinence of urine.

Demonstration and Practical programme will be arranged by the Head of the Department.





### (3) Teaching of M.Sc. (Medical) in Anatomy and Diploma Courses in Basic Medical Sciences

Classes were held throughout the year. Lectures, Seminars, Demonstrations and Practical classes were held as per syllabus prescribed. Both the University teachers and Extra-mural teachers of the Department participated in the teaching programme.

(4) Teaching of Anatomy was also undertaken for the Part I programme of teaching in the different clinical diploma courses.

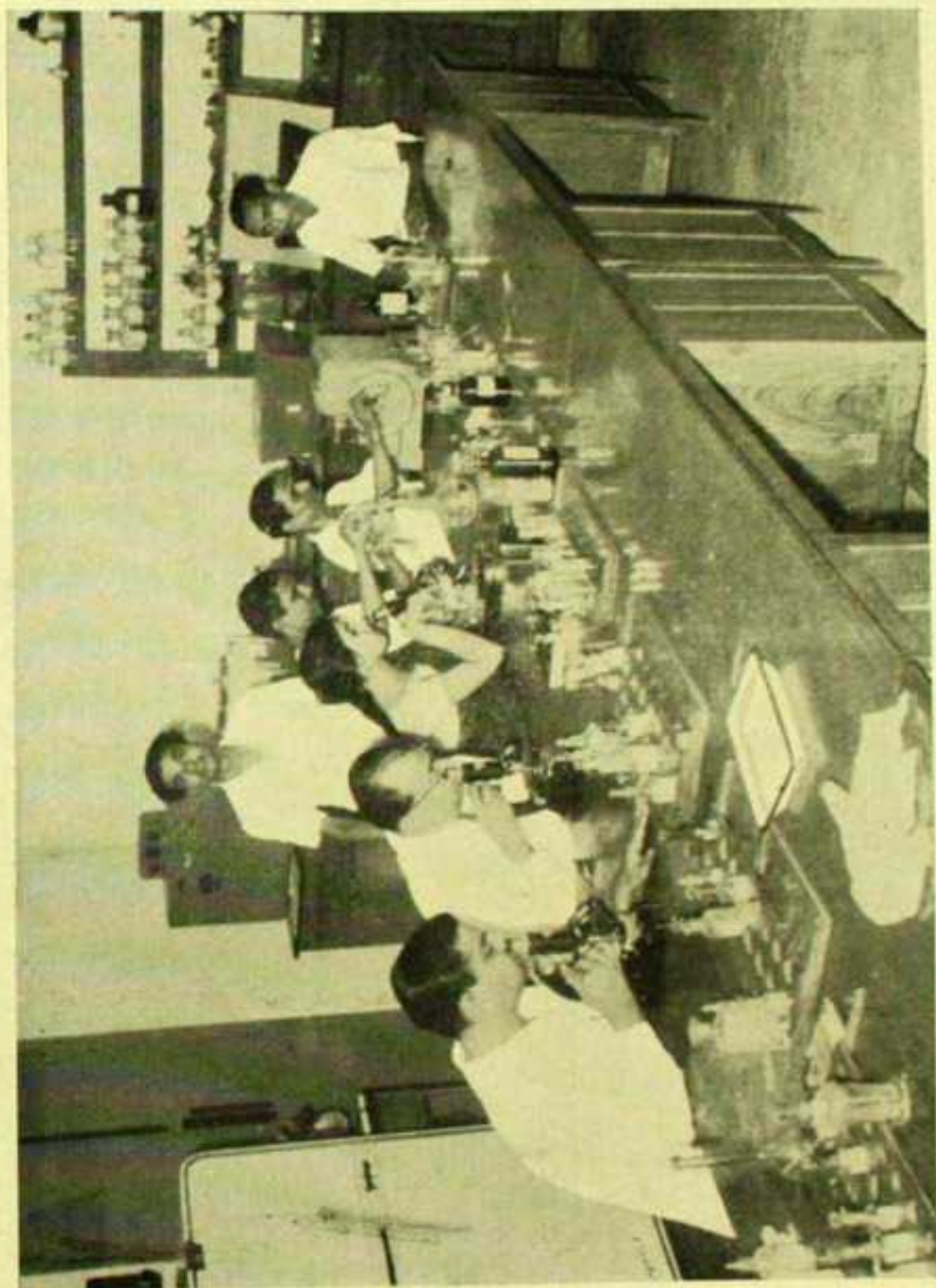
Following **Research Schemes** have been undertaken by the teaching staff of this Department in the recent years in addition to that conducted by the Departmental Research Scholars :

1. Evolution of the Nervous system in the Vertebrates.
2. Neuro-histology in Epilepsy and Cerebral diplegia.
3. Angiography in the New-born.
4. Congenital anomalies in the New-born.
5. Anthropometry in Clinical Practice.
6. Evolution of the lungs in the vertebrates.
7. Effects of certain drugs including some phytochemical on the Nervous System.
8. Carrying researches on Sex-chromatin (Barr Bodies) in human female from the buccal smear.
9. Carrying researches on 'Conducting System of Heart.'

### Department of Physiology

At the beginning, this department found its accommodation in the University College of Science at 92, Acharya Prafulla Chandra Road, Calcutta-9. Dr. B. B. Sarkar, D.Sc. (Edin.), F.R.S.E., F.N.I., the then Professor & Head of the Department of Physiology, University College of Science, became the first Head of the Department of Physiology, Biophysics & Biochemistry of the University College of Medicine. In 1963 this department however was bifurcated into Physiology and Biochemistry, each having been given separate status as per recommendation of the U.G.C. On Dr. Sarkar's retirement in 1959, Prof. P. B. Sen, M.Sc., P.R.S., became the successor of Dr. Sarkar in both the University Colleges. Both Dr. Sarkar and Prof. Sen spared no pains for the proper development of this department with the limited resources available. The department got Dr. A. K. Maiti, M.Sc., M.B.B.S., D.Phil. as its first whole-time Reader in August 1961. Dr. Maiti was also appointed Head of the Department since his joining till June, 1968. In the same year Dr. R. Sinha, M.Sc., M.B., was appointed part-time lecturer in the department and served the department only for a few months. In 1963 Dr. M. Goswami, M.S., M.B.B.S., was appointed one of the three whole-time lecturers under the scheme as approved by the U.G.C. and State Government for the Institute of Basic Medical Sciences. In the same year Dr. P. C. Rakshit, M.Sc., M.B.B.S., Ph.D., was appointed part-time lecturer in that department and served in that capacity up to 31.12.68. The posts of other two whole-time lecturers were subsequently filled up with the appointment of Dr. A. Ghoshdastidar, M.B.B.S., D.B.M.S., M.Sc. (Med.) in the year 1965 and Dr. B. Dutta Chaudhuri, M.B.B.S., D.C.P., D.Phil. (Med) in the year 1966. In the year 1968, Dr. P. K. Banerjee, M.Sc., M.B.B.S., D.Phil., who was associated with the University College of Medicine since its inception as the Secretary, Council of the University College of Medicine and who was Post-graduate teacher in Physiology all through, and Ex. Associate Professor of Physiology, Calcutta National Medical College was appointed Sir N. R. Sircar, Professor of Applied Physiology & Head of the Department of Physiology. The





A view of the Laboratory of Physiology Department at the Institute of Basic Medical Sciences—Professor and Research workers at work



department is at present steadily progressing under the supervision of Prof. Banerjee. In February, 1969, Dr. S. Mukherjee, B.Sc., M.B.B.S., M.R.C.O.G., D.Phil., Ph.D., has been appointed part-time lecturer.

### Present Teaching Staff

#### University Teachers :

Prof. P. K. Banerjee, M.Sc., M.B.B.S., D.Phil. . .	Professor and Head of the Dept.
Dr. A. K. Maiti, M.Sc., M.B.B.S., D.Phil. . .	Reader.
Dr. M. Goswami, M.Sc., M.B.B.S. . .	Lecturer.
Dr. B. Dutta Chaudhuri, M.B.B.S., D.C.P., D.Phil.	Lecturer.
Dr. A. Ghoshdastidar, M.B.B.S., M.Sc. (Med.) . .	Lecturer.
Dr. S. Mukherjee, B.Sc., M.B.B.S., M.R.C.O.G., . . .	Part-time Lecturer.
D.Phil., Ph.D.	
Dr. S. R. Maitra, M.Sc. (Cal.), D. Phil. (Cal.) }	Teachers of the University College of Science.
Dr. C. Deb, M.Sc., D.Phil.	
Dr. J. J. Ghosh, M.Sc., D.Phil.	
Dr. A. Ghosh, M.B.B.S., M.Sc. (Med.)	Lecturer (Requisitioned from the Dept. of Biochemistry, U.C.M.).

#### Extra-mural Teachers :

Dr. H. Saha, M.B. (Cal.), Ph.D. (Lond.)
Dr. N. Ghosal, M.Sc., M.B.B.S.
Dr. K. L. Mukherjee, M.B.B.S., D. Phil., Ph.D. (Wiscon.)
Dr. B. Roy, M.Sc., M.B.B.S., D.Phil.
Dr. A. Sarkar, M.B.B.S., R.C.P. & R.C.S. (Lond.), F.R.C.S. (Edin.)
Dr. B. Chakraborty, M.Sc., M.B.B.S., D.Phil., M.D. (Luck.)
Dr. P. C. Rakshit, M.Sc., M.B.B.S., Ph.D.

#### U. G. C. Teacher :

Dr. R. K. Paul, D.Sc., M.B., M.R.C.P., F.R.S.E., F.A.S., F.N.I.

### 1. Teaching of M.D. (Physiology) Course in Physiology

#### Subjects taught

General	<p>Perspectives in Physiology, Biochemistry and Biophysics.</p> <p>History of Neurophysiology, Cardiovascular Physiology.</p> <p>Biochemistry.</p> <p>History of the knowledge on Respiratory Physiology.</p> <p>Electrophysiology and its role in modern physiology.</p> <p>Physiochemical phenomena in biological processes.</p>
Nervous system & Behavioural Physiology.	<p>Units of nervous system, neurone, synapses, reflex.</p> <p>Excitability, conductivity, transmission of nerve impulse.</p> <p>Electrical activity of nervous system.</p> <p>Sensations, receptors and pain.</p> <p>Cerebellum, postural reflexes.</p> <p>Spinal cord, excitatory and inhibitory state.</p>

266952



*Subjects taught*

- Decerebrate, decorticate, thalamic and spinal preparations.  
 Conditioned reflexes, learning, motivation, consciousness, sleep, waking, experimental neurosis, epilepsy, and behaviour disorders.  
 Reticular formation, limbic system, cerebral cortex and emotional behaviour.  
 Psychosomatic and somatophysiological problems.  
 Chemical architecture of the central nervous system.  
 Basal-ganglia and Hippocampus.  
 Electrical activity of the cerebral cortex, electroencephalography.  
 Motor functions of the nervous system.  
 Autonomic nervous system and its correlation with the central nervous system.  
 Origin, course and distribution of sympathetic and parasympathetic systems.  
 Spinal parasympathetic and axon reflex.
- Heart & Cardiovascular Physiology.** .. Physiology of heart, nutrition and metabolism of cardiac muscle.  
 Action of electrolytes and drugs on cardiac muscle.  
 Cellular electrophysiology of heart.  
 Electrocardiogram.  
 Biochemistry of cardiac muscle.  
 Cardiac enzymes.  
 Control and function of the heart.  
 Blood pressure homeostasis.  
 Coronary circulation.  
 Pulmonary circulation.  
 Physiological adjustments during shock.
- Haematology** .. Blood coagulation, mechanism, errors and significance.  
 Blood transfusion and blood grouping.  
 Haemodynamics—blood volume and blood flow.
- Respiratory Physiology** .. Derangement of respiratory function.  
 Lung function tests.  
 Regulation of respiration.  
 Anoxia, Asphyxia.  
 Gaseous interchanges  $O_2$  &  $CO_2$  therapy.
- Alimentary System** .. Mechanics of alimentary canal, alimentary digestion, secretion of juices, absorption.  
 Liver function tests, physiology of bile.
- Biochemistry & Metabolism.** .. Scope of biochemical studies in health and disease, Blood biochemistry, and significance in the study of the disease.  
 Enzymes.  
 Metabolism of fat, protein, nucleoprotein and carbohydrate.



*Subjects taught*

				Tissue metabolism.
				B.M.R.
				Nutritional disorders, caloric deficiencies and excess.
				Nutrition of the specialised tissue, skin, brain.
				Vitamins.
Endocrines	..	..	..	Endocrine functions in relation to mental activity.
				Effects of endocrine organs on growth and metabolism.
				Adrenal cortical steroid hormones—chemistry and metabolism.
				Functions of Adrenal Cortex, Hyper and Hypo-functions of adrenal cortex. Addison's Disease.
				Adrenaline and Noradrenaline—Actions in the body with experimental details.
				Problems of clinical endocrinology.
				Insulin and diabetes.
				Thyroid-Hormone synthesis metabolism & functions.
				Oestrogen and progesterone metabolism.
Skin	..	..	..	Physiology, Biochemistry, and Biophysics of skin.
Kidney	..	..	..	Kidney function tests.
Special Senses :				
Ear	..	..	..	Physiology of external, middle and internal ear.
				Mechanism of hearing.
				Biophysics of the ear.
Eye	..	..	..	Physiology of eye.
Taste	..	..	..	Structure of Tongue, Papillae and taste bud. Taste Path. Physiology of Taste Sensation.
Smell	..	..	..	Structure of olfactory mucous membrane. Physiology of olfaction. Olfactory path.
Biophysics & Electrophysiology.	..		..	Electrophysiology and its role in modern physiology.
				Electrophysiological studies of striated and smooth muscle. Biophysical events of the cell membrane.
				Radioactive isotopes and radiations.
				Use of isotopes in the physiological investigation.
				Physiology of work and exercise.
				Physiology of muscular contraction.
				Physiology of bone.

Following seminar classes for the practical methodology were arranged including the practical demonstration.

Biophysics.  
 Experimental Physiology.  
 Neurophysiology.  
 Electrophysiology.  
 Endocrinology.  
 Histology and histochemistry.  
 Blood biochemistry.  
 Analysis of foodstuffs.  
 Electrophoresis.



*Subjects taught*

Haematology, Blood grouping.  
Circulation—blood pressure, hypothermia, heart perfusion, clinical enzymology.

Practical classes were held throughout the year as per syllabus prescribed.

(2) **M.D. (General Medicine) Part I, M.S. (General Surgery) Part I, & M.S. (Obstetrics & Gynaecology) Part I**

In the revised regulation, the M.D. (General Medicine), M.S. (General Surgery), & M.S. (Obstetrics & Gynaecology) will be held in two parts. The part I includes teaching of applied Anatomy, Applied Physiology, Applied Pharmacology & Applied Pathology including Bacteriology. Post-graduate lectures, demonstrations, seminars & practical classes were arranged for these students.

Subjects taught for M.D. (General Medicine) Part I, M.S. (General Surgery) Part I & M.S. (Obstetrics & Gynaecology) Part I courses :

**M.D. (GENERAL MEDICINE) PART I COURSE**

*Subjects :*

Physico-chemical phenomenon in biological processes.  
Blood : Haemopoiesis, reticulo-endothelial system.  
Blood : Coagulation-mechanism, defects in Coagulation, Haemorrhagic states.  
Blood : Transfusion, Blood-grouping, Rh factors, hazards etc.  
Blood biochemistry and significance in the study of the diseases.  
Blood composition.  
Blood volume—determination, regulation.  
Acid base balance of the body—ketosis, acidosis, alkalosis etc.  
Heart : conducting mechanism & heart block, regulation of heart rate and cardiac reflexes.  
Blood pressure : regulation & vasomotor reflexes.  
Shock, physiological adjustments and resuscitation.  
Respiration—I : Regulation of respiration, Anoxia and Asphyxia.  
Respiration—II : Gaseous interchanges,  $\text{CO}_2$  &  $\text{O}_2$  therapy.  
Pulmonary function tests, respiratory disorders and dysfunctions.  
Circulation : Coronary, renal, cerebral, portal and capillary.  
Kidney and secretion of urine.  
Skin, Sweat and Temperature regulation.  
Renal function tests.  
Scope of biochemical studies in health and diseases.  
Enzymes : Properties, characteristics and mode of action.  
Carbohydrate metabolism.  
Lipid metabolism.  
Protein metabolism.  
Nucleoprotein metabolism.  
Bone, Ossification growth and Calcium metabolism.  
Digestive system, Juices, Mechanism, fractional test meal.  
Functions of liver and gall bladder and liver function tests.  
Insulin & metabolism in diabetes mellitus.  
Water electrolyte metabolism.  
Vitamins in health and disease.





Isotopes : uses in Physiological investigation.  
 Endocrinology : Effects of Endocrine organs on growth & metabolism.  
 Pituitary : anterior and posterior.  
 Adrenal Cortex and medulla.  
 Thyroid and Parathyroid.  
 Basal Metabolism & its determination.  
 Electrophysiology and its role in modern physiology.  
 Physiology of excitations : nerve and muscles.  
 Reflex action and properties : Spinal, midbrain and medullary reflexes etc.  
 Muscle tone, posture and equilibrium.  
 Receptors and afferent nervous system.  
 Autonomic nervous system and Hypothalamus.  
 Reticular formation, cerebral cortex and Pyramidal tracts.  
 Basal Ganglia.

Demonstration and Practical Programme will be arranged by the Head of the Department.

#### M.S. (GENERAL SURGERY) PART I COURSE

##### *Subjects :*

Physico-chemical phenomenon in biological process.  
 Blood : Haemopoiesis, reticulo-endothelial system.  
 Blood : Coagulation-mechanism, defects in Coagulation, Haemorrhagic states.  
 Blood : Transfusion, blood-grouping, Rh factors, hazards etc.  
 Blood biochemistry and significance in the study of the diseases.  
 Blood composition.  
 Blood volume—determination, regulation.  
 Acid base balance of the body—ketosis, acidosis, alkalosis etc.  
 Heart : conducting mechanism & heart block, regulation of heart rate and cardiac reflexes.

Blood pressure : regulation & vasomotor reflexes.  
 Shock, physiological adjustments and resuscitation.  
 Respiration—I : Regulation of respiration, Anoxia and Asphyxia.  
 Respiration—II : gaseous interchanges,  $\text{CO}_2$  &  $\text{O}_2$  therapy.  
 Pulmonary function tests, respiratory disorders and dysfunctions.  
 Kidney and secretion of urine.  
 Renal function tests.  
 Scope of biochemical studies in health and diseases.  
 Carbohydrate metabolism.  
 Lipid metabolism.  
 Protein metabolism.  
 Nucleoprotein metabolism.  
 Bone, Ossification growth and Calcium metabolism.  
 Digestive system—juices, functions, mechanism of secretion fractional test meal.  
 Functions of liver and gall bladder and liver function tests.  
 Insulin & metabolism in diabetes mellitus.  
 Water, electrolyte metabolism.  
 Vitamins in health and disease.  
 Isotopes : uses in Physiological investigation.  
 Endocrinology : Effects of Endocrine organs on growth & metabolism.  
 Pituitary : Anterior and posterior.  
 Adrenal cortex and medulla.  
 Thyroid.  
 Parathyroid.  
 Basal Metabolism & its determination.  
 Reflex action and properties : spinal, midbrain and medullary reflexes etc.





Muscle tone, posture and equilibrium.

Autonomic nervous system.

Hypothalamus.

Reticular formation.

Cerebral cortex and Pyramidal tracts.

Demonstration and Practical Programme will be arranged by the Head of the Department.

### M.S. (OBSTETRICS & GYNÆCOLOGY) PART I COURSE

#### *Subjects :*

Physico-chemical phenomenon in biological processes.

Blood : Haemopoiesis, reticulo-endothelial system.

Blood : Coagulation-mechanism, Defects in Coagulation, Haemorrhagic states.

Blood : Transfusion, Blood grouping, Rh factors, hazards etc.

Blood biochemistry and significance in the study of the diseases.

Blood composition.

Blood volume—determination, regulation.

Acid base balance of the body ketosis, acidosis, alkalosis etc.

Heart : conducting mechanism & heart block, regulation of heart rate and cardiac reflexes.

Blood pressure : regulation & vasomotor reflexes.

Shock, physiological adjustments and resuscitation.

Respiration—I : Regulation of respiration, Anoxia and Asphyxia.

Respiration—II : gaseous interchanges, CO<sub>2</sub> & O<sub>2</sub> therapy.

Kidney and secretion of urine.

Renal function tests.

Scope of biochemical studies in health and diseases.

Digestive juices—functions and mechanism of secretion.

Carbohydrate metabolism.

Lipid metabolism

Protein metabolism.

Nucleoprotein metabolism.

Water & Electrolyte metabolism.

Vitamins in health and disease.

Isotopes : uses in physiological investigation.

Endocrinology : Effects of Endocrine organs on growth & metabolism.

Pituitary (a) Anterior (b) Posterior.

Adrenal cortex and medulla (a) Thyroid (b) Parathyroid.

Basal metabolism & its determination.

Autonomic nervous system.

Hypothalamus.

Physiology of reproduction : (a) Testes (b) Ovary.

Sex Hormones.

Physiology of menstruation and Pregnancy.

Physiology of Placenta.

Foetal respiration.

Mammary gland and lactation.

Water and electrolyte metabolism.

Demonstration and Practical Programme will be arranged by the Head of the Department.

(3) Teaching of M.Sc. (Medical) course in Physiology & Diploma course in Basic Medical Sciences were held throughout the year. Lectures, Seminars, Demonstrations & Practical classes were held as per syllabus prescribed. Both the University teachers and extra-mural teachers of the department participated in the teaching programme.





A view of the Laboratory of Electro Physiology Section of the Department of Physiology at the Institute of Basic Medical Sciences—Lecturer and Research workers in Biochemistry at work.



(4) Teaching of Physiology was also undertaken for the part I programme of teaching in the different clinical diploma courses.

Following **Research Scheme** has been undertaken by this department in the recent years in addition to that conducted by the departmental research scholar :—

1. Studies on the Homeostasis of Blood-Sugar level.
2. Liver function test after administration of Norethysterone acetate and Ethynyl oestradiol, Ethynodiol diacetate & Mestranol, Lynestrenol and Mestranol.
3. Histological and Biochemical studies of the anterior lobe of the Pituitary in stress.
4. Studies on Cardiovascular system, Nervous system and on metabolism in experimental animals after administration of Pethedrine.
5. Studies on Thyroid, Adrenal and Pituitary in Squirrel. Fate of ovarian Ascorbic acid after administration of L.H.
6. Comparative physiological studies of red bone marrow under normal and abnormal conditions.
7. Comparative studies of Suprarenal gland in stress.

### Department of Biochemistry

The department of Biochemistry is the youngest amongst the existing departments of the University College of Medicine. In the year 1961, the then department of Physiology, Biophysics & Biochemistry was bifurcated into Physiology & Biochemistry on the basis of recommendation of the U.G.C. An attempt was made to start the department with the appointment of Dr. A. K. Maiti, Reader of the Department of Physiology, as its first Head in 1966. In the same year the department was strengthened with the appointment of Dr. A. K. Ghose, M.B.B.S., M.Sc. (Med.) as one of the three whole-time Lecturers as per recommendation of the U.G.C. for that department. Dr. Maiti is still continuing as Head of this department.

Following **Research Schemes** have been operated conjointly by this department and Department of Physiology in the recent years in addition to that conducted by the departmental research scholar :

1. Neurophysiological analysis of the paroxysmal discharges in seizure producing lesions of the neuronally isolated cerebral cortex.
2. Pharmacological behaviours of antibiotics on excitable tissues.
3. Studies on the homeostasis of blood-sugar in Epilepsy.
4. Physiological analysis of human vitiliginous skin.
5. Pharmacological studies with fish gut.
6. Clove oil as an anaesthetic agent.
7. Analysis of cardiovascular reflexes under experimental excitation.
8. Analysis of the functions of the muscles after denervation.
9. Homeostasis of blood pressure after peripheral sensitization.
10. The body-mind relationship in ancient India in the light of to-day.

### Department of Pharmacology

The department first started functioning in R. G. Kar Medical College. Dr. B. B. Roy, M.B., one of our extra-mural teachers in Pharmacology at that time was appointed Head of the Department and continued to act as such till 1961 when in the month of July, Dr. S. R. Dasgupta, M.B., D.Phil., joined the Department as full-time Reader. The department was shifted at this stage to Calcutta National Medical Institute and after about a year to Ramkrishna Seva Pratisthan where it was accommodated till its final shifting to the Institute of Basic Medical Sciences of the University College of Medicine in 1966. Since joining





Dr. Dasgupta has been acting as Head of the department also. Dr. B. B. Roy, the former Head of the department, was appointed at the same time a part-time lecturer in the subject. Dr. Roy is still serving the department in that capacity. The department grew up under the supervision of Dr. Roy in the initial phase and later on continued its steady and systematic progress under the guidance of Dr. Dasgupta. In the year 1961, Dr. S. Sikdar, M.B.B.S., M.D. (Agra) joined the department as one of the three full-time lecturers. Subsequently Dr. B. P. Mukherjee, M.B.B.S., M.Sc. (Med.) and Dr. N. M. Roy, M.B.B.S., M.D. (Agra) were appointed to the other two posts of full-time lecturers in the year 1966 and 1967 respectively.

### Present Teaching staff :

#### University Teachers :

Dr. S. R. Dasgupta, M.B.B.S., D.Phil.	Reader and Head of the Department.
Dr. S. Sikdar, M.B.B.S., M.D. (Agra)	Lecturer.
Dr. B. P. Mukherjee, M.B.B.S., M.Sc. (Med.)	Lecturer.
Dr. N. M. Roy, M.D.	Lecturer.
Dr. B. B. Roy, M.B. (Cal.)	Part-time Lecturer.
Dr. A. Bhattacharyya, D.Sc.	Teacher of the University College of Science.

#### Extra-mural Teachers :

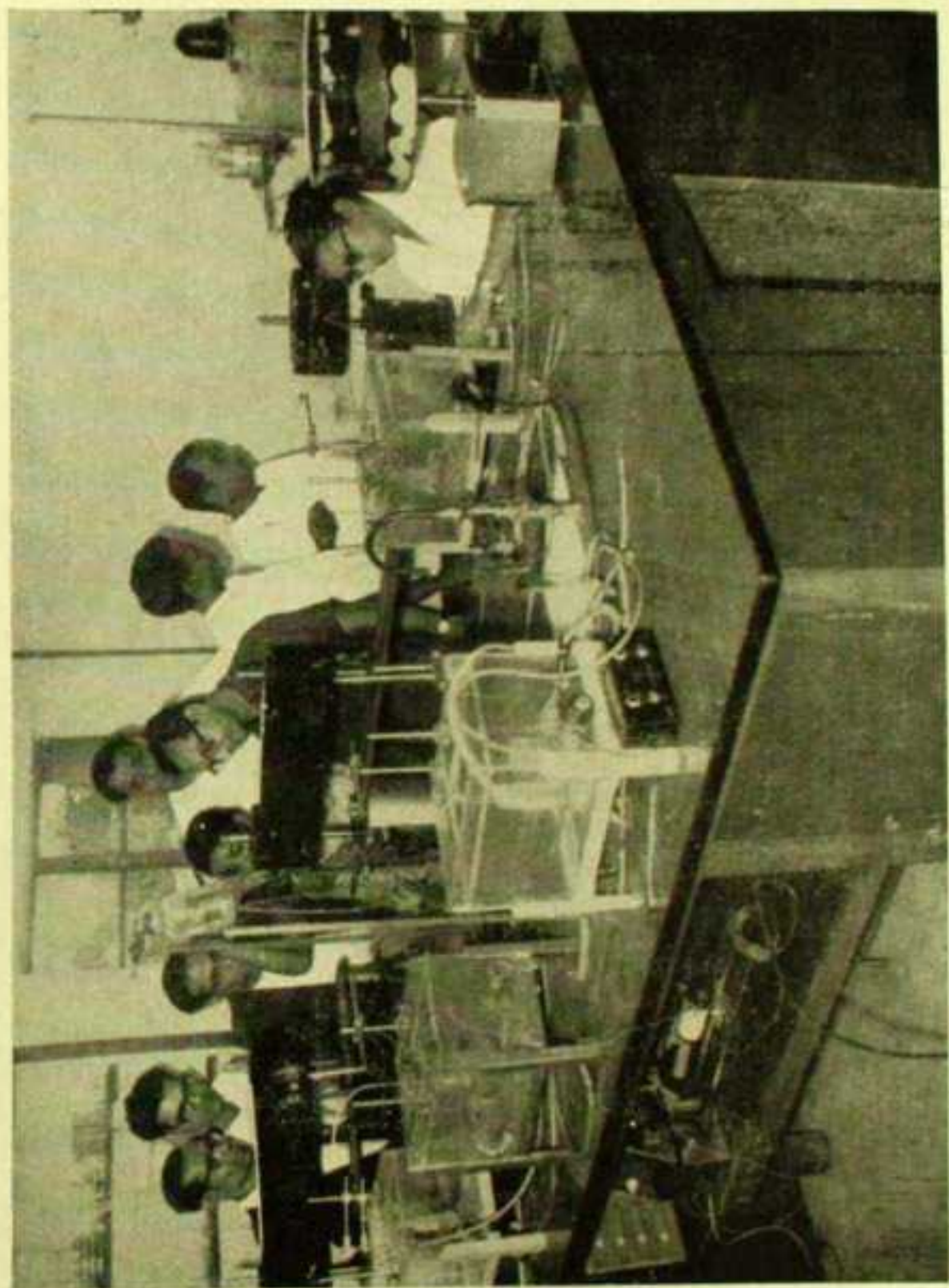
Dr. M. L. Chatterjee, M.B., D.Phil. (Oxon.)
Dr. P. K. Chakraborty, M.D. (Luck.)
Dr. S. S. Sengupta, M.B., D.T.M. (Cal.), M.D. (Luck.)
Dr. S. C. Lahiri, M.B., M.D., Ph.D.
Dr. M. S. Dey, M.B.B.S., D.T.M. & H., D.Phil. (Cal.)
Dr. K. N. Sen, M.B. (Cal.), M.R.C.P. (Edin.), D.P.H. (Lond.)
Dr. K. L. Mukherjee, M.B.B.S., D.Phil., Ph.D. (Wiscon.) (On requisition)
Dr. S. Biswas, M.R.C.P., D.T.M. D.C.H. (On requisition)

### (1) Teaching of M.D. (Pharmacology) Course in Pharmacology

#### Subjects taught

Cardio Vascular System	.. Hypertension and the Pharmacodynamic of anti-hypertensive agents.
Central Nervous System	.. Pharmacology of the Diencephalon. Cortical and Subcortical Seizures, Pharmacodynamic of the agents used. Drugs producing convulsions and coma. Pharmacology of Reticular formation. Psychopharmacology—Hallucinogen. Psychopharmacology—Tranquillizers. Neurotransmitter.
Autonomic Nervous System	.. Cholinergic receptors—Pharmacological consideration. Adrenergic receptors—Pharmacological consideration. Catechol amines—Structure, activity, relationship.





A view of the Laboratory of Pharmacology Department at the Institute of Basic Medical Sciences—  
Lecturers, Students and Research Scholars at work





General Pharmacology	..	Enzymes—Their Pharmacological significance.
Metabolism	..	Carbohydrate metabolism.
		Lipid metabolism.
		Protein metabolism.
		Mineral metabolism (Calcium, Phosphorus, Iron etc.).
		Acid Base balance—its regulation.
Antibiotics & Chemotherapy.		Antibiotics—General considerations.
		Biochemistry of Cancer and Pharmacology of anti-Cancer drugs.
Miscellaneous	..	Gas & Vapours ( $O_2$ & $CO_2$ ).
Mechanism of Anaphylaxis & Agents taking part in Anaphylaxis.		Pharmacologically active substances involved in anaphylaxis.
		Guineapig Lung perfusions and study of the effects of Histamine and other substances.
		Kinase :—Pharmacological features and probable role in Physiological and Pathological states.
		The study of effects of antispasmodic drugs.
		5-Hydroxytryptamine—Pharmacological consideration.
		Histamine—Its Physiological and Pharmacological role.
Kidney	..	Uretric Catheterisation and study of Diuretic and antidiuretic drugs.

#### SUBJECTS FOR SEMINAR CLASSES

Antihypertensive drugs.  
 Antiepileptic drugs.  
 Insulin and other hypoglycaemic agents.  
 Corticosteroids.  
 Cardiac Glycosides.  
 Drugs used in peptic ulcer.  
 Pharmacology of renal tubules  
 Cardiac muscle and its response to Pharmacologically active agents.  
 Antiarrhythmic drugs.  
 Cytotoxic drugs.  
 Drugs used in disorders of the thyroid gland.  
 Peripheral Neurotransmitters : The Adrenergic system.  
 Histamine and Antihistaminics—their role in allergy.  
 5-HT and its antagonists.  
 Polypeptides.  
 Peripheral Neurotransmitters : The Cholinergic system.  
 Antifertility drugs.  
 Pharmacology of R. F. : in brain.  
 Psychopharmacology : The Psycholeptics.  
 Psychoanaleptics.  
 Pharmacologically active substances in C. N. S.  
 Drug induced diseases.  
 Use of drugs as experimental tools in biological investigations.  
 Standardization of drugs and the use of statistics in pharmacology.  
 Mechanism of drug action.  
 Lipotropic agents.





1. Practical classes were held throughout the year in General Pharmacology ; Bio-assays ; Toxicological studies ; Chemical and Biochemical Pharmacology ; Behavioural studies ; Pharmacology of the Central and Autonomic Nervous system, Local anaesthetics ; Psychopharmacology ; Neuro-muscular Pharmacology ; Pharmacology of the Cardio-vascular, Respiratory, Renal, Uro-Genital and Gastro-intestinal and Haemopoietic systems ; Pharmacology of the corticoids and Dermatological Agents ; Anti-infective agents—Chemotherapy and Antibiotics. Both the University teachers and Extra-mural teachers of the Department took the classes.

2) M. D. (General Medicine) Part I, M.S. (General Surgery) Part I, and M.S. (Obstetrics and Gynaecology) Part I.

In the revised regulation, the M.D. (General Medicine), M.S. (General Surgery), and M. S. (Obstetrics and Gynaecology) will be held in two parts. The part I includes teaching of applied Anatomy, Applied Physiology, Applied Pharmacology and Applied Pathology including Bacteriology. Post-Graduate lectures, demonstrations, seminars and practical classes were arranged for these students.

Subjects taught for M.D. (General Medicine) Part I, M.S. (General Surgery) Part I and M.S. (Obstetrics and Gynaecology) Part I courses :—

#### *M.D. (General Medicine) Part I Course*

##### *Subjects :*

Antihypertensive drugs—centrally acting.  
Antihypertensive agents—peripherally acting.  
Cardiac glycosides—general consideration.  
Anti-arrhythmic drugs—general consideration.  
Indications and limitations of antihypertensive agents.  
Drugs used in the treatment of cardiac failures.  
Anticoagulants and Fibrinolytic drugs in the treatment of vascular diseases.  
Diuretics—general consideration.  
Management of oedema.  
Antidiabetic agents : Biochemical considerations ; Insulin.  
Oral hypoglycaemic agents.  
Corticosteroids—general consideration.  
Corticosteroids—present status in therapy.  
Drug Therapy of the diseases of the thyroid gland.  
Chemotherapy of neoplastic diseases.  
Radiotherapy of neoplastic diseases.  
Antibiotics.

Demonstration and Practical Programme will be arranged by the Head of the Department.

#### *M.S. (General Surgery) Part I Course*

##### *Subjects :*

General Pharmacology and Mechanism of action of drug.  
Antihypertensive drugs—centrally acting.  
Antihypertensive agents—peripherally acting.  
Cardiac glycosides—general consideration.  
Anti-arrhythmic drugs—general consideration.  
Indications and limitations of antihypertensive agents.  
Drugs used in the treatment of cardiac failures.  
Anticoagulants and Fibrinolytic drugs in the treatment of vascular diseases.  
Diuretics—general consideration.  
Management of oedema.  
Antidiabetic agents : Biochemical considerations Insulin.  
Oral hypoglycaemic agents.  
Corticosteroids—general consideration.  
Corticosteroids—present status in therapy.  
Drug Therapy of the diseases of the thyroid gland.



Anaesthesia—general consideration.  
 Anaesthetic agents in relation to surgical and gynaecological practice.  
 Analgesia in surgical and gynaecological practice.  
 Local anaesthesia in surgical and gynaecological practice.  
 Chemotherapy of neoplastic diseases.  
 Radiotherapy of neoplastic diseases.  
 Antibiotics.

Demonstration and Practical Programme will be arranged by the Head of the Department.

### M.S. (OBSTETRICS & GYNAECOLOGY) PART I COURSE

#### *Subjects:*

General Pharmacology and Mechanism of action of drug.  
 Antihypertensive drugs—centrally acting.  
 Antihypertensive agents—peripherally acting.  
 Indications and Limitations of antihypertensive agents.  
 Anticoagulants and Fibrinolytic drugs in the treatment of vascular diseases.  
 Diuretics—general consideration.  
 Management of oedema.  
 Antidiabetic agents: Biochemical considerations; Insulin.  
 Oral hypoglycaemic agents.  
 Corticosteroids—general consideration.  
 Corticosteroids—present status in therapy.  
 Drug Therapy of the diseases of the thyroid gland.  
 Anaesthesia—general consideration.  
 Anaesthetic agents in relation to surgical and gynaecological practice.  
 Analgesia in surgical and gynaecological practice.  
 Local anaesthesia in surgical and gynaecological practice.  
 Chemotherapy of neoplastic diseases.  
 Radiotherapy of neoplastic diseases.  
 Antibiotics.

Demonstration and Practical Programme will be arranged by the Head of the Department.

(3) Teaching in M.Sc. (Medical) in Pharmacology and Diploma course in Basic Medical Sciences was held throughout the year. Lectures, Seminars, Demonstrations and Practical classes were held as per syllabus prescribed. Both the University teachers and extra-mural teachers of the department participated in the teaching programme.

(4) Teaching of Pharmacology was also undertaken for the part I programme of teaching in different clinical diploma courses.

Following **Research Schemes** have been undertaken by this department in the recent year in addition to that conducted by the departmental research scholar.

#### *I. Studies on the etiopathogenesis of gastric ulcers :*

- (1) Studies on stress-induced ulcers in the stomach and duodenum of animals.
- (2) Studies on gastric ulcers produced by different chemical agents in animals.
- (3) Studies on the effects on histamine, 5-hydroxytryptamine, acetylcholine and their antagonists on the experimentally induced gastric and duodenal ulcers in animals.
- (4) Studies on the effects of psychotherapeutic agents on the stress-induced gastric and duodenal ulcers in animals.
- (5) Histopathological studies in stress-induced gastric ulcers.
- (6) Histopathological studies of stomach and duodenum after ulcerogenic agents.





II. *Pharmacological studies on stress :*

- (1) Studies on the effects of psycho-therapeutic agents on the depletion of ascorbic acid in the adrenal cortex of rats following of stress.
- (2) Studies on the effects of stress and also antistress drugs on the blood-sugar level in animals.

III. *Studies on the pharmacological actions of a 1, 4-Benzodiazepine derivative ('Mogadon', Ro 4-5360) on :*

- (1) Central nervous system :
  - (a) neurological
  - (b) behavioral
  - (c) neurotransmitters
  - (d) histochemical
- (2) General Pharmacology :
  - (a) renal function
  - (b) cardiovascular systems
  - (c) isolated tissues (intestine, uterus, etc.)
  - (d) autonomic nervous system

IV. *Studies on the actions of Diazepam on Neuromuscular transmission :*

V. *Studies on the actions of tranquillizers on animal uterus :*

- (1) Studies on the actions of CDP, Reserpine and CPZ on oxytocin-induced contractions in rat uterus.

VI. *Studies on Antihistaminics :*

- (i) Antinicotinic and antimuscarinic activity of antihistaminics.
- (ii) Relation between anti-Ach activity and hypnotic effects of antihistaminics.

VII. *Studies on Indigenous Drugs :*

A. *Studies on Aloe Perfoliata :*

Studies on pharmacological actions of *A. perfoliata* with special reference to its action on C.N.S., cardiovascular system, smooth muscle and neuromuscular junctions.

B. *Studies on Carissa Carandus :*

- (1) Chemical extraction and identification of active principles :
  - (i) on cardiovascular system.
  - (ii) on central nervous system.
  - (iii) on smooth muscle, and
  - (iv) on neuromuscular junction.

C. *Studies on Cannabis Indica ('Ganja') :*

- (a) neurological
- (b) behavioral
- (c) neurotransmitter
- (d) histochemical.

D. *Studies on the effect of extract of Curcuma Longa on experimentally induced gastric ulcer :*

E. *Studies on the effect of extract of Margosa (neem) leaves on the blood-sugar level of animal :*

VIII. *Studies on the antispasmodic properties of an extract of animal origin (Pariplanata Americana).*

- (i) Extraction and identification of active principle.
- (ii) Studies on different isolated tissue preparations against different spasmogens.

IX. *A comparative study on cardiovascular effect of fresh and air-exposed 'adolphano' (Ciba) tablets.*





A view of the Laboratory of Pathology Department at the Institute of Basic Medical Sciences—Head of the Dept., Lecturer and Students at work.



X. Study on the mechanism of potentiation of Acetylcholine-induced contraction of skeletal muscle by alcohol.

XI. *Clinical Pharmacology* :

- (i) Estimation of 5-Hydroxytryptamine in amniotic fluid.
- (ii) Effect of Diazepam ('Valium') on the first stage of labour.

**Department of Pathology including Bacteriology**

The department of Pathology, Bacteriology and Medical Zoology, as it was known previously, was located initially in Chittaranjan Sevasadan College of Obstetrics and Gynaecology with Dr. B. P. Trivedi, M.B. (Cal.), D.B. (Lond.), F.N.I., F.S.M.F., one of the extra-mural teachers of the first session, as its Head. On retirement of Dr. Trivedi in 1958, Dr. B. K. Aikat, M.B.B.S. (Hons.), M.D. (Path.), Ph.D. (Lond.), D.C.P. (Lond.), another extra-mural teacher in the subjects, was appointed Head of the Department. In 1961, the Department was located at Calcutta National Medical Institute and then to Ramkrishna Seva Pratisthan and finally to the Institute of Basic Medical Sciences in 1966. Dr. Aikat acted as Head of the department till Dr. S. K. Mitra, M.D. (Agra) was appointed whole-time Reader and Head of the Department in July, 1961. From the session 1962-63, a slight change in the nomenclature of the department was effected. It became designated as Department of Pathology including Bacteriology. In the year 1963, Dr. R. Dattachandhuri, B.Sc., M.B.B.S. (Cal.), M.C. (Path.) (Lond.) was appointed a part-time Lecturer in the subject. Dr. Dattachandhuri is still rendering his service to the department in the same capacity. Subsequently, Dr. N. Roy, M.B.B.S., D.Phil., joined the department in 1963 as whole-time lecturer while Dr. P. C. Chatterjee, M.B.B.S., D.T.M.&H., M.D. (Agra), and Dr. N. Mitra, M.B.B.S., D.T.M.&H., Dip.B.M.S., D.C.P., D.Phil., joined the department as full-time lecturers in the year 1965. At the sad and sudden demise of Dr. S. K. Mitra, Reader and Head of the Department, in 1937 the department suffered a great loss. In the same year Dr. N. Roy, M.B.B.S., D.Phil., was appointed Head of the Department and the Reader after a few months.

**Present Teaching staff :**

*University Teachers :*

Dr. N. Roy, M.B.B.S. (Cal.), D.Phil. (Cal.).	Head of the Department,
Dr. P. C. Chatterjee, M.B.B.S., M.D., D.T.M. & H.	Lecturer.
Dr. N. K. Mitra, M.B.B.S., D.T.M., Dip.B.M.S., D.C.P., D.Phil.	Lecturer.
Dr. R. Dattachandhuri, B.Sc., M.B.B.S. M.C. Path (Lond.)	Part-time Lecturer.

*Extra-mural Teachers :*

Dr. A. C. Guha, M.B.B.S., Ph.D., D.Bact.  
 Dr. S. N. De, M.B. (Cal.), D.T.M., Ph.D., D.Sc. (Lond.).  
 Dr. K. C. Basumallik, M.D. (Cal.), Ph.D. (Lond.).  
 Dr. J. K. Sarkar, M.B. (Cal.), D.Bact. (Lond.), D.Phil. (Cal.).  
 Dr. D. N. Sengupta, M.B.B.S. (Cal.), D.Bact. (Lond.).  
 Dr. J. B. Chatterjee, M.B.B.S. (Cal.), M.D. (Cal.), F.N.I.  
 Dr. S. K. Banerjee, M.B. (Cal.), Ph.D. (Lond.).  
 Dr. A. Chaudhuri M.Sc., M.B., D.T.M.  
 Dr. K. L. Mukherjee, M.B.B.S., D.Phil., Ph.D. (Wiscon.)



**(1) Teaching of M.D. (Pathology) Course in Pathology including Bacteriology***Subjects taught***GENERAL PATHOLOGY**

Functional significance of connective tissue.  
Shock—Pathogenesis and pathology  
Oedema.  
Degeneration.  
Cell growth and multiplication.  
Amyloidosis.  
Biological effect of radiant energy.  
Collagen and its reaction to diseases.  
Fluid and electrolyte balance.  
5-hydroxy tryptamine.  
Chromosomal disorders of man.  
Pigments of the body and their disorders.  
Graft reactions.  
Chemical factors in inflammation.  
Hereditary anomalies of protein synthesis.  
Tumour virus and virus tumour.

**SPECIAL PATHOLOGY**

Atherosclerosis.  
Malabsorption Syndrome.  
Myocarditis.  
Endocarditis.  
Cystic disease of lungs.  
Cirrhosis of liver.  
Pathological stone formation in the body.  
Hepatic failure.  
Acute renal failure.  
Hypersplenism.  
Hodgkin's disease.  
Pulmonary diseases of the new-born.  
Nephrotic syndrome.

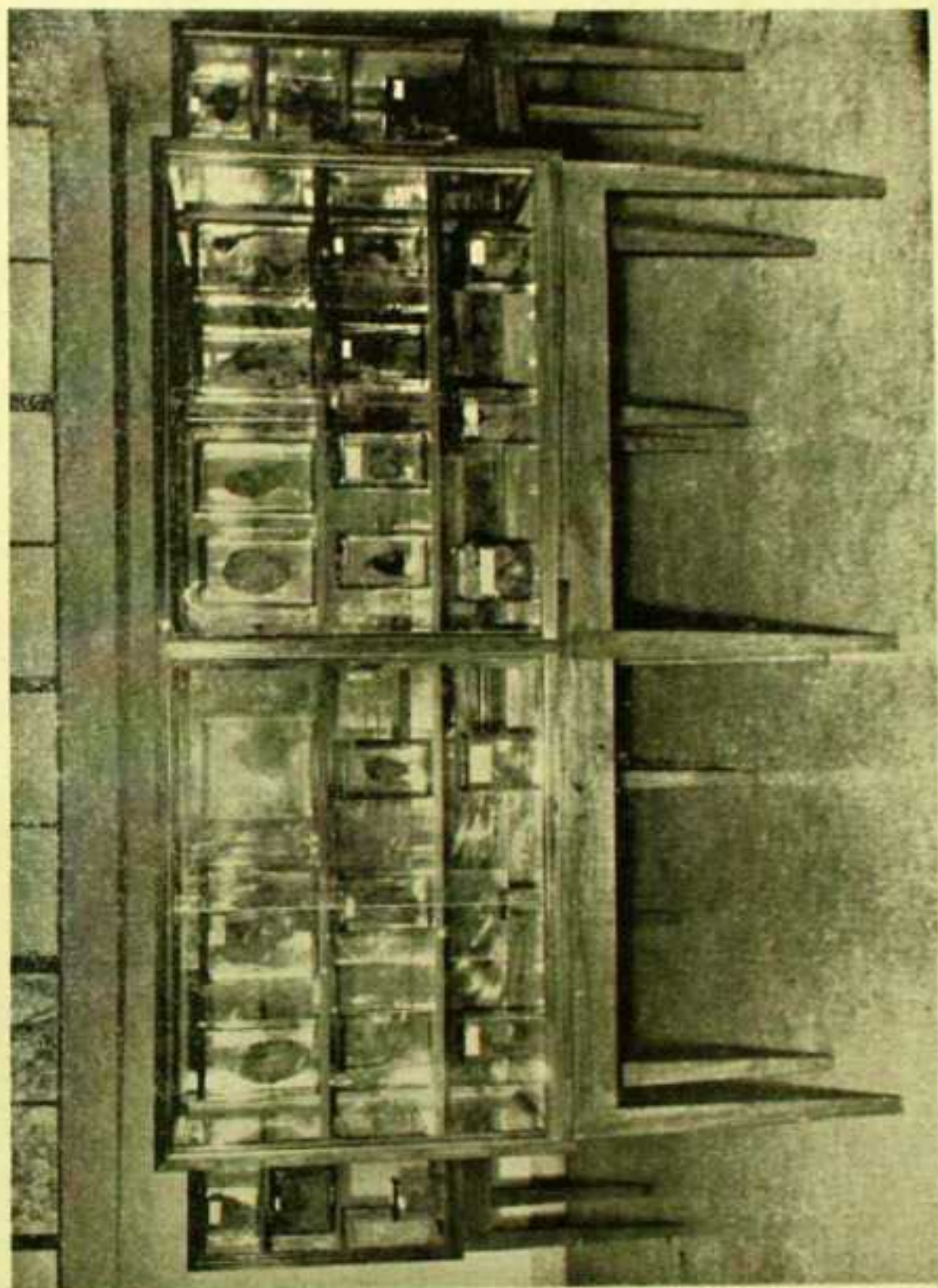
**HAEMATOLOGY**

Haematopoiesis.  
Anaemias.  
Leukopoiesis and leukocytic disorders.  
Blood group and transfusions.  
Megaloblastic anaemias—aetiopathogenesis and diagnosis.

**HISTOPATHOLOGY**

Histological slides and staining.  
Histochemistry.  
Gynaecological pathology.





A portion of Pathology Museum at the Institute of Basic Medical Sciences.





## BACTERIOLOGY, SEROLOGY AND VIROLOGY

Immunity and hypersensitiveness.  
Mechanism of bacterial resistance to antibiotics.  
Tissue reaction to viral infection.  
General consideration of bacterial metabolism.  
Spirochaetal infection in man—recent development in diagnosis.  
Laboratory diagnosis of virus diseases.  
Bacteriophage.  
Bacterial variation.  
Bacterial morphology.  
Staphylococci.  
Mycobacteria.  
Proteus group of organisms.  
Study of unknown Bacteria.  
Coryne Bacteria.  
Bacillaceae  
Physical and Chemical properties of Virus.  
Virus-Host cell inter-relationship.  
Diagnostic procedure in viral diseases.  
Myxovirus and Adenovirus.  
Enterovirus.  
Arthropod-borne Virus.  
Pox group of Virus.  
Rabies.  
Egg and Mouse—a diagnostic tool in Virology.  
Haemagglutination test and tissue culture.

## BIOCHEMISTRY

Introduction—Scope of clinical biochemistry.  
Factors affecting interpretation of biochemical findings.  
Laboratory methods.  
Beer's Law.  
Photo-electric colorimeter.  
Spectrophotometer and their uses.  
Titration.  
Standard acid and alkali solution.  
Acid, bases, buffers.  
Acid Base balance—its regulation.  
Electrolytes.  
Dehydration.  
Fluid replacement.  
Use of logarithms.  
pH of a buffer.  
Plasma  $O_2$  and  $CO_2$ .  
Plasma chlorides.  
Urine chlorides.  
Inborn errors of metabolism.  
Tests for phenyl ketonuria.  
Test for galactosaemia.  
Tests for Haemoglobinopathies.  
Carbohydrate metabolism.  
Test for blood sugar, urine sugar and acetone.  
Protein metabolism.  
Serum protein fraction.  
Serum and urine creatine and creatinine.





Lipid metabolism.

Estimation of serum calcium, phosphorus, phosphatase, sodium, potassium and chlorides.

Mineral metabolism and their disorders.

Functional activity of thyroid gland and iodine metabolism.

Calcium phosphorus and iron metabolism.

Rickets, Anaemia etc.

Estimation of ascorbic acid in blood and urine.

Biochemistry of inflammation and repair.

Biochemistry of cancer.

Gastric secretion tests.

Pancreatic function tests.

Kidney function tests.

Blood urea, NPN.

Urinary urea.

Urea clearance tests.

Phenol red excretion tests.

Liver function tests.

Urinary 17 keto-steroids 11-oxysteroids.

Biochemistry of nervous system.

Adrenal Cortex and Electrolyte metabolism.

1. Practical classes were held throughout the year in Pathology, Bacteriology, Serology, Mycology, Chemical Pathology etc. Both the University teachers and extra-mural teachers of the department took the classes.

(2) **M.D. (General Medicine) Part I, M.S. (General Surgery) Part I, & M.S. (Obstetrics & Gynaecology) Part I.**

In the revised regulation, the M.D. (General Medicine), M.S. (General Surgery), & M.S. (Obstetrics & Gynaecology) will be held in two parts. The part I includes teaching of applied Anatomy, Applied Physiology, Applied Pharmacology & Applied Pathology including Bacteriology. Post-Graduate lectures, demonstrations, seminars & practical classes were arranged for these students.

Subjects taught for M.D. (General Medicine) Part I, M.S. (General Surgery) Part I & M.S. (Obstetrics & Gynaecology) Part I courses :—

**M.D. (GENERAL MEDICINE) PART I COURSE**

*Subjects:*

Inflammation—I

do —II

Degeneration and necrosis.

Healing.

Shock & Haemorrhage.

General Properties of bacteria.

Wound inflexion.

Virus infection—I

do II

Bacterial sensitivity to Antibiotics.

Immunity.

Connective tissue & its disorder.

Pathological calcification.

Pigmentation including jaundice.

Anaemias.

Haemorrhagic disorders.

Blood grouping and Blood transfusion.

Vascular disorders.

Tissue grafting.

Function tests—renal, liver, adrenal, thyroid & Pancreas.





General consideration on tumours.  
 Effect of Ionising radiation.  
 Chromosomal abnormalities and genetic disorders—I  
     do do —II  
 Cardiac and respiratory failure.  
 Sterilisation.  
 Study of Bacteria—I  
     do —II  
 Anaemias —I  
     do —II  
 Serology.  
 Clinical Pathology.  
 Heart disease—I  
     do —II  
 Diseases of Kidney.  
 Diseases of Lungs.  
 Diseases of Liver.  
 Diseases of G. I. tract  
 Leukemias.  
 Diabetes.

Demonstration and Practical Programme will be arranged by the Head of the Department.

#### M.S. (GENERAL SURGERY) PART I COURSE

##### *Subjects :*

Inflammation—I  
     do —II  
 Degeneration and necrosis.  
 Healing.  
 Shock & Haemorrhage.  
 General Properties of bacteria.  
 Wound inflexion.  
 Virus infection—I  
     do —II  
 Bacterial sensitivity to Antibiotics.  
 Immunity.  
 Connective tissue & its disorder.  
 Pathological calcification.  
 Pigmentation including jaundice.  
 Anaemias.  
 Haemorrhagic disorders.  
 Blood grouping and Blood transfusion.  
 Vascular disorders.  
 Tissue grafting.  
 Function tests—renal, liver, adrenal, thyroid & Pancreas.  
 General consideration on tumours.  
 Effect of Ionising radiation.  
 Chromosomal abnormalities and genetic disorders—I  
     do do —II  
 Cardiac and respiratory failure.  
 Sterilisation.  
 Study of Bacteria—I  
     do —II  
 Anaemias —I  
     do —II  
 Serology.  
 Clinical Pathology.





Inflammatory diseases of different organs—I	
do	—II
Tumours of different organs —I	
do.	—II
do.	—III
do.	—IV
do.	—V
do.	—VI

Demonstration and Practical Programme will be arranged by the Head of the Department.

#### M.S. (OBSTETRICS & GYNÆCOLOGY) PART I COURSE

##### Subjects:

Inflammation—I	
do	—II
Degeneration and necrosis.	
Healing.	
Shock & Haemorrhage.	
General Properties of bacteria.	
Wound inflexion.	
Virus infection—I	
do	—II
Bacterial sensitivity to Antibiotics.	
Immunity.	
Connective tissue & its disorder.	
Pathological calcification.	
Pigmentation including jaundice.	
Anaemias.	
Haemorrhagic disorders.	
Blood grouping and Blood transfusion.	
Vascular disorders.	
Tissue grafting.	
Function tests—renal, liver, adrenal, thyroid & Pancreas.	
General consideration on tumours.	
Effect of Ionising radiation.	
Chromosomal abnormalities and genetic disorders—I	
do	do —II
Cardiac and respiratory failure.	
Sterilisation.	
Study of Bacteria—I	
do	—II
Anaemias —I	
do —II	
Serology.	
Clinical Pathology.	
Inflammatory diseases of the female genital tract—I	
do	—II
Endometrium & Endometrial disorders.	
Vaginal cytology & Sex chromatin studies.	
Tumours of the female genital system—I	
do	—II
do	—III
do	—IV

Demonstration and Practical Programme will be arranged by the Head of the Department.

(3) Teaching of M.Sc. (Medical) in Pathology including Bacteriology and Diploma Course in Basic Medical Sciences were held throughout the year. Lectures, Seminars,





Demonstrations and Practical classes were held as per syllabus prescribed. Both the University teachers and extra-mural teachers of the Department participated in the teaching programme.

(4) Teaching of Pathology including Bacteriology was also undertaken for the Part I Programme of teaching in different clinical diploma courses.

Following research schemes have been undertaken by this department in recent years in addition to that conducted by the departmental research scholar :—

1. Relation of anti-body production with hypoproteinaemia.
2. Cytological studies of buccal epithelial cells in malignant diseases of different parts of the body.
3. Experimental studies on the effects of stress on the adrenal, pituitary and thyroid glands.
4. Studies on correlation of pathological changes in carotid and cerebral arteries with age.

### Department of General Medicine

Dr. J. C. Banerjee, M.B.B.S., F.R.C.P., took over the charge as Head of the Department since its initiation in 1960. He retired in March, 1967. After the retirement of Dr. Banerjee, Dr. S. N. Sen, M.B. (Cal.), F.R.C.P. (Edin.), F.S.M.F., Dean, Faculty of Medicine was appointed Honorary Head of the Department. He retired from the post only recently. At present Dr. S. K. Mukherjee, M.B., M.R.C.P., D.T.M. & H., has been working as Head of the Department.

### Present Teaching Staff :

#### University Teacher :

Dr. S. K. Mukherjee, M.B.B.S., D.T.M. & H., M.R.C.P.—Head of the Department.

#### Extra-mural Teachers :

- Dr. S. Dutta, M.B., M.D. (Cal.).  
 Dr. A. B. Mukherjee, M.B., M.D., M.R.C.P. (Lond.).  
 Dr. G. B. Sinha, M.B., M.R.C.P. (Lond. & Edin.).  
 Dr. N. R. Konar, M.D. (Cal.), M.R.C.P. (Lond.).  
 Dr. K. D. Chatterjee, M.D. (Cal.).  
 Dr. B. C. Sinha, M.B. (Cal.), M.R.C.P. (Lond.), M.D., F.A.C.C. (U.S.A.).  
 Dr. J. R. Chatterjee, M.B., M.R.C.P. (Lond.).  
 Dr. J. C. Saha, M.B., M.D. (Cal.).  
 Dr. P. N. Brahmachari, M.Sc., M.D. (Cal.), P.R.S.  
 Dr. D. M. Chakrabarty, M.B.B.S., D.T.M., M.R.C.P.  
 Dr. H. S. Chakravarty, M.B.B.S., M.D. (Cal.).  
 Dr. S. K. Biswas, M.B., D.T.M. (Cal.), D.C.H. (Lond.), M.R.C.P. (Lond.).  
 Dr. S. N. Chaudhuri, M.D. (Cal.).  
 Dr. B. Bhattacharyya, M.D.  
 Dr. A. Roychoudhury, M.D.  
 Dr. S. Sen, M.D., M.R.C.P.  
 Dr. J. B. Chatterjee, M.B.B.S. (Cal.), M.D. (Cal.), F.N.I. (On requisition).  
 Dr. R. N. Chatterjee, M.D. (Cal.), (On requisition).  
 Dr. M. K. Chhetri, M.D. (Cal.), M.R.C.P. (Lond.), (On requisition).  
 Dr. N. M. Banerjee, M.B. (Cal.), D.M.R. (Lond.), (On requisition).  
 Dr. S. Bose, M.B., D.M.R.D., R.C.P. & S. (Eng.) (On requisition).  
 Major S. Bose, M.B. (Cal.), D.M.R. (Lond.), (On requisition).

Post-Graduate Lecture and Seminar classes for the students intending to qualify for M.D. were held each year.



The subject of the lecture and seminar classes are given below :—

Diseases of the Cardiovascular system :—

Disorders of cardiac Rhythm. Valvular diseases. Coronary Heart diseases. Congenital heart diseases. Cor. Pulmonale. Electro-Cardiography.

Diseases of Blood—Haemoglobinopathies. Haemorrhagic diseases. Leukaemia.

Diseases of the Respiratory system—Tuberculosis of the lungs and pleura. Recent trends in the treatment of pulmonary, Pleural and glandular Tuberculosis. Pulmonary mycoses, Pulmonary neoplasm.

Diseases of the Gastro-Intestinal system and Liver—Gastric functions in health. Diseases of the Oesophagus and the Stomach. Intestinal and Pancreatic functions in health and diseases. Regional Ileocolitis. Intestinal Tuberculosis. Intestinal and pancreatic functions in health and diseases. Sprue, Syndrome and Chronic ulcerative colitis. Ascites and its differential diagnosis. Dysphagia and Hiatus Hernia. Hepato-Splenomegalies and Reticuloses. Peptic Ulceration.

Diseases of the Nervous system—Cerebrovascular accident. Neuro-syphilis. Tumours. Sarcoidosis.

Paraplegias. Demyelinating diseases. Epilepsy. Intracranial Tumours.

Diseases of Endocrine system—Diseases of the Adrenal, Pituitary and Thyroid glands.

Diseases of the Kidney—Renal functions in health and kidney diseases. Various types of kidney diseases. Nephritis and Nephrosis.

Disease of Skin—Various types of skin diseases. Collagen diseases.

In the Lecture and Seminar classes more emphasis was given to demonstration of various types of long and short cases, Pathological Specimens, Histological Slides and X-Ray plates, etc.

### Department of General Surgery

The department started functioning in 1960 with Dr. A. K. Sen, M.B. (Cal.), D.P.H. (Lond.), F.R.C.S. (Eng.), as Head of the Department. Dr. Sen retired in May, 1968. The post is going to be filled up shortly.

### Present Teaching Staff :

#### University Teachers :

*Head of the Department of General Surgery—Vacant*

#### Extra-mural Teachers :

- Dr. K. K. Ghosh, M.B., F.R.C.S. (Eng.)
- Dr. A. L. Some, M.B., M.S. (Cal.), F.R.C.S. (Edin.)
- Dr. S. M. Ghosh, M.B., F.R.C.S. (Eng.)
- Dr. A. K. Roy, M.B., M.S. (Cal.), F.R.C.S. (Eng.)
- Dr. A. K. Dutta Gupta, M.B., (Cal.), F.R.C.S. (Eng.)
- Dr. S. N. Roy, M.B. (Cal.), F.R.C.S. (Eng.)
- Dr. A. K. Bagchi, M.B.B.S., F.N.S. (Vienna), F.A.C.S., F.I.C.S.
- Dr. S. Banerjee, M.B. (Cal.), F.R.C.S. (Eng.)
- Dr. B. Roy, M.S. (Cal.), D.Sc. (Cal.), D.Phil. (Cal.)
- Dr. H. Sett, M.B., F.R.C.S. (Eng.)
- Dr. A. K. Mukherjee, M.B.B.S., M.S. (Cal.)
- Dr. M. Mukherjee, M.S., F.R.C.S. (Eng. & Edin.)
- Dr. S. K. Chatterjee, M.B.B.S., F.R.C.S. (Eng.)
- Dr. B. N. Chatterjee, M.B. (Cal.), M.S. (Cal.)





Dr. R. B. Chattopadhyay, M.S. (Cal.), F.R.C.S. (Eng.)

Dr. T. Deb Mallick, M.B.B.S., M.S. (Cal.)

Dr. D. K. Sen, M.B.B.S., M.S. (Cal.)

Dr. M. L. Chatterjee, M.B., F.R.C.S. (Edin.)

Dr. A. K. Saha, M.B.B.S., F.R.C.S. (Edin.), & (Eng.), M.Ch. (Orth.)

Dr. B. P. Chatterjee, M.B.B.S., M.S. (Cal.), F.R.C.S. (Eng.)

Dr. H. K. Sircar, M.B., F.R.C.S. (Eng. & Edin.)

Dr. B. B. Bhattacharyya, M.B.B.S., F.R.C.S. (Edin.), T.D.D. (Wales)

Dr. S. Basu Ray, M.B.B.S., F.R.C.S.

Dr. A. K. Das, M.B.B.S., F.R.C.S. (Edin. & Eng.)

Dr. B. G. Chakraborty, M.B.B.S., M.S. (Cal.), F.R.C.S. (Edin. & Eng.), Ph.D. Belfast).

Dr. S. Bhattacharya, M.B.B.S., F.R.C.S. (Eng.)

Dr. U. C. Chakraborty, M.B. (Cal.), F.R.C.S. (Eng.) (On requisition)

Dr. B. Mukherjee, M.B.B.S., M.S. (On requisition)

Dr. G. S. Koray, M.B., F.R.C.S. (Eng.), F.A.C.S. (On requisition)

Dr. S. Chatterjee, M.B., D.T.M. (Cal.), D.M.R.T. (Eng.) (On requisition)

Post-Graduate Clinico-pathological Lecture and Seminar classes in Surgery for the students intending to qualify for M.S. including Applied Anatomy were held for about six months.

The subject of the Lecture and Seminar classes are given below :—

Applied Anatomy, Pathology and Surgery of—

Gastro-intestinal system, Liver and Spleen—Tongue and mouth, Stomach, Duodenum, Gall-bladder, Pancreas, Small Intestine, Ileo-caecal region, Anus and Rectum, Abdominal wall and Hernia, Anomalies of Oesophagus and Ano-rectal anomalies, Intestinal obstruction in new born, Carcinoma of Gastro-intestinal Tracts, Liver, Tropical Splenomegaly Colon.

Cardiovascular and Lymphatic system—Portal Hypertension, Extra Corporeal circulation, Surgery of the congenital and acquired Diseases of the Heart, Surgery of Lymphatic and Vascular system, Surgery of the great vessels.

Respiratory system—Surgery of Pulmonary Tuberculosis, Tumours of Lungs, Injuries of Chest.

Urogenital system—Malignant Tumours of Kidney, and Urinary bladder, Undescended testis, Non-neoplastic diseases of the Kidney, Ureter and Pelvis, Bladder, Prostate, Urethra, Penis and Scrotum including the body of the testis and Epididymis, Urogenital Tuberculosis, Testicular Tumours.

Injuries and Infections—Injuries and infections of the hand, Head injuries, Cleft Lip and Cleft Palate.

Thyroid and Breast.

Bone and Joints—Deformities of foot, Injuries round the Shoulder, Elbow, Wrist, Hip, Knee and Ankle, Degenerative arthritis, Septic arthritis, Tuberculosis of Bones and Joints, Bone Tumours, Diseases round the Hip, Knee and Ankle, Surgery of Poliomyelitis.

Nervous system—Intracranial and Spinal Tumours.

In the Lecture and Seminar classes more emphasis was given to demonstration of various types of long and short cases, Pathological specimens, Operative Surgery classes, X-Ray plates, etc.

#### DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

The department was headed by Late Dr. S. Mitra, M.B. (Cal.), Dr. Med. (Berlin), F.R.C.S. (Edin.), F.R.C.O.G., F.A.C.S., F.N.I., from 1957 to 1961. Dr. Mitra left behind a brilliant record of invaluable service not only for his own department but for the overall development of the University College of Medicine. He was succeeded by Dr. C. L. Mukherjee, M.B.,



F.R.C.O.G., M.O., Ph.D. (Edin.) as Head of the Department who after having rendered active service to the department retired in May, 1966. Since then, Dr. D. L. Poddar, M.B., F.R.C.S., F.R.C.O.G., took over the charge as Head of the Department. Dr. Poddar has been endeavouring to implement a number of schemes.

### Present Teaching Staff :

#### University Teachers :

Dr. D. L. Poddar, M.B. (Cal.), F.R.C.S. (Edin.), F.R.C.O.G.—Head of the Department.

#### Extra-mural Teachers :

Dr. B. Sengupta, M.B. (Cal.), M.D. (Germany)  
 Dr. K. N. Mitra, B.Sc., M.B., F.R.C.S., F.R.C.O.G.  
 Dr. T. K. Ghosh, M.B., F.R.C.P. (Edin.), L.M., D.G.O. (Dub.)  
 Dr. C. Ghosh, M.B. (Cal.), M.O. (Cal.)  
 Dr. S. Hazra, M.B., F.R.C.S. (Edin.), L.R.C.P. (Lond.), M.R.C.S. (Eng.)  
 Dr. P. C. Das, M.B. (Cal.), M.O. (Cal.), F.I.C.S.  
 Dr. (Mrs.) K. Dasgupta, M.B.B.S., D.G.O. (Cal.), M.R.C.O.G. (Lond.)  
 Dr. J. K. Chatterjee, M.B., M.O. (Cal.)  
 Dr. A. K. Mitra, M.B.B.S., D.G.O., M.O. (Cal.), M.R.C.O.G. (Lond.)  
 Dr. T. Banerjee, M.B. (Cal.), F.R.C.S. (Eng.), M.R.C.O.G. (Lond.)  
 Dr. R. Nag, M.B.B.S., D.O.Bat., R.C.O.F., M.R.C.O.G.  
 Dr. S. Banerjee, M.B.B.S., M.O., M.R.C.O.G., Ph.D. (Lond.)  
 Dr. D. Ghosh, M.B. (Cal.), F.R.C.S. (Edin.)  
 Dr. L. Ghosh, M.B.B.S., D.G.O., M.R.C.O.G.  
 Dr. A. Chatterjee, M.B.B.S., D.G.O., M.O.  
 Dr. B. Halder, M.B.B.S., M.R.C.O.G.  
 Dr. N. Ghosh, M.B., D.G.O., M.O., M.R.C.O.G. (Lond.)  
 Dr. N. Raychaudhuri, M.B.B.S., D.G.O., M.O. (Cal.), M.R.C.O.G., F.R.C.S. (Edin.)  
 Dr. G. Nandy, M.B. (Cal.), M.R.C.O.G., F.R.C.O.G.  
 Dr. N. Kishore, M.D., F.A.C.S.  
 Dr. N. Subhadra Devi, M.D., F.R.C.S.  
 Dr. M. K. Menon, M.D., F.R.C.O.G.  
 Dr. C. L. Mukherjee, M.B., M.O., F.R.C.O.G., Ph.D.  
 Dr. N. K. Ghosh, M.B.B.S., D.G.O., M.R.C.O.G.  
 Dr. J. B. Chatterjee, M.B.B.S. (Cal.), M.D. (Cal.), F.N.I. (On requisition)  
 Dr. S. Chatterjee, M.B., D.T.M. (Cal.), D.M.R.T. (Eng.) (On requisition)  
 Dr. B. P. Ray, M.B.B.S., D.A.

Post-Graduate Seminar, Group Discussions and Clinico-pathological lectures and Demonstration classes in Obstetrics and Gynaecology for the students intending to qualify for M.O. were held for about six months.

The subjects of the lecture and seminar classes are given below :

Recent advances in Diagnosis and treatment of amenorrhoea. Foetal physiology and cardiorespiratory problems in the newborn. Prolonged Pregnancy. The Phenomenon of ovulation and therapeutic methods of suppressing and initiating ovulation. Role of Gynaecologist in organising family planning for India. The problem of Recurrent abortion. Problems of surgical treatment for infertility. Management of Advanced Carcinoma of the Cervix. Problem of venous thrombosis and coagulation defects in Obstetrics and Gynaecology. Jaundice during Pregnancy. Ovarian Mesenchyma—Clinicopathological aspects. Chemotherapy for Gynaecological carcinoma. Breech Presentation. Circulation and com-



position of Liquor amnii and value of study during pregnancy. Differential diagnosis and management of convulsive seizures during pregnancy. Present-day trend of Caesarean section and the Problem of pregnancy and labour following Caesarean section. Broad ligament cysts and tumours. Metabolic changes and Fluid balance after major Gynaecological surgery. Surgical management of uterovaginal prolapse. Intestinal Surgery in Gynaecological practice. Management of stage II Carcinoma of the cervix. Premalignant lesions of the vulva. Stress and urge urinary incontinency in female. Disorders of Thyroid Gland in Pregnancy. Diabetes with Pregnancy. Clinical management of Intersex and value of chromosomal study. Sudden collapse in the Postpartum period. Problems of management of Antepartum haemorrhage. Obstetric anaesthesia and analgesia. Congenital abnormalities of Uterus and Vagina. Extra Uterine pregnancy. Modern management of Oliguria and anuria. Neonatal Hyperbilirubinuria. Virilism and Hirsutism. Chorionic tumours and invasive conditions. Heart disease in Pregnancy. Value of blood examination during pregnancy and modern methods of prophylactic and curative treatment of anaemia with pregnancy.

Vacuum Extractor and Forceps in present-day Obstetrics. Value of methods of diagnosis in investigation infertility and value of infertility clinic. Place of Abdominal and Vaginal hysterectomy for benign gynaecological lesions. Malpresentations, their causes, prevention and management. Problems of first 7 days in newborn. Induction of labour. Vesico vaginal and uretero-vaginal fistula. Tubo ovarian inflammation. Value and dangers of Radiology in Obstetrics. Management of Premature infants. Ectopic Endometrial implants. Intrauterine & Intrapartum foetal death. Problems of early diagnosis of carcinoma of the cervix uteri. Ovarian Carcinoma.

In the seminar classes more emphasis was given to demonstration of various types of long and short cases.

Following **Research Scheme** has been undertaken by the department in addition to that conducted by the departmental research Scholar.

Study of problems of sterility :—

#### Department of Radiology and Radiotherapeutics

The Department was started during 1957-58 session with Dr. S. Mukherji, M.B. (Cal.), D.M.R.E. (Cantab.), as its Head. Dr. Mukherji rendered untiring service towards its healthy development and gradual expansion. It is most unfortunate that the cruel hands of death took him away from us only a few months back. In addition to this post, two more posts of Honorary Lecturers, one in Radiology and one in Radiotherapy, have been created. All these posts, vacant at present, are expected to be filled up shortly. The Radiology clinic at Goenka Hospital of the University College of Medicine has been functioning regularly.

#### Present Teaching Staff :

##### University Teachers :

Dr. S. Mukherji, M.B. (Cal), D.M.R.E. (Cantab.),—Head of the Department (deceased).

Prof. M. L. Pan, M.B., L.R.C.P., F.R.C.S.

Dr. P. R. Roy, B.Sc., M.B.B.S., Ph.D. (St. Andrews)

Dr. N. G. Chakraborty, M.B.B.S., M.Sc. (Med.), D.Phil.

Dr. A. K. Datta, M.B.B.S., M.Sc. (Med.)

Dr. M. M. Mukherjee, M.B.B.S., M.Sc. (Med.)

Dr. N. Roy, M.B.B.S., D.Phil.

Dr. P. C. Chatterjee, M.B.B.S., D.T.M. & H., M.D.

Dr. N. K. Mitra, M.B.B.S., D.T.M., Dip.B.M.S., D.C.P., D.Phil.

Dr. N. Goswami, M.B., Ph.D.

Dr. R. Dattachaudhuri, B.Sc., M.B., M.C.Path (Lond.)

##### Extra-mural Teachers :

Dr. N. M. Banerjee, M.B. (Cal), D.M.R. (Lond.)

Dr. S. Bose, M.B., D.M.R.D., R.C.P. & S. (Eng.)

Maj. S. Basu, M.B. (Cal), D.M.R. (Lond.)





Dr. B. K. Dey, M.B., D.M.R.D., R.C.P. & S. (Eng.)  
 Dr. D. Sarkar, M.B., D.M.R.D., R.C.P. & S. (Eng.)  
 Dr. A. Roy, M.B., D.M.R.D.  
 Dr. P. Brahma, M.B., D.M.R.D., R.C.P. & S. (Eng.)  
 Dr. A. K. Mukherjee, M.B.B.S., D.M.R.D. (Eng.)  
 Dr. M. Purakayastha, M.B., D.M.R.T.  
 Dr. M. Mitra, M.B., D.M.R.D. (Edin.), D.M.R.T. (Eng.)  
 Dr. S. Chatterjee, M.B., D.T.M. (Cal), D.M.R.T. (Eng.)  
 Dr. B. Roy, M.B., D.M.R.D. (Lond), D.M.R.T. (Liverpool)  
 Dr. K. S. Banerjee, M.B.B.S., D.M.R.D. (Liverpool)  
 Sri K. L. Bhattacharya, M.Sc.  
 Sri A. Bose, B.Sc., F.Inst.P.  
 Miss A. Basu, M.Sc.  
 Dr. S. C. Ghosh, M.Sc., D.Phil.  
 Dr. B. Roy, M.Sc., M.B.B.S., D.Phil.

**Teaching of the Diploma Course in Medical Radiology Diagnostic and Diploma Course  
 in Medical Radiology Therapeutic Part I (D.M.R.D./D.M.R.T. Part I)**

*Subjects taught*

**BASIC MEDICAL SCIENCES**

**Anatomy :**

The Ossification of Bones and Epiphyseal union.  
 Factors influencing Bone growth.  
 The Thoracic cage—Principles underlying its formation.  
 The cage at birth during growth.  
 The Diaphragm : Congenital anomalies : Sub-Diaphragmatic spaces.  
 The Mediastinum.  
 The Nasal cavity and Para-Nasal sinuses : Lymphatic : Congenital anomalies.  
 The Pharynx : Lymphatic : Congenital anomalies.  
 The Larynx : Lymphatic : Congenital anomalies.  
 The Tracheo Bronchial tree : Congenital anomalies.  
 Segmental Anatomy of lungs.  
 The Lymphatic system.  
 The Pericardium : Congenital anomalies.  
 Congenital anomalies of the heart.  
 The blood vascular system.  
 The gastro-intestinal tract including Rectum and anal canal.  
 Liver and gall-bladder : Lymphatics : Congenital anomalies.  
 The urinary system.  
 Lymphatics of the tongue and Mammary gland.  
 The male genital system.  
 The female genital system.  
 Meninges of the Central nervous system : Epidural—Subdural—Sub-arachnoidal  
 spaces : Intracranial venous sinuses.  
 Ventricles of the Central nervous system : C. S. fluid.  
 The Ear—External, Middle and internal : Congenital anomalies : Lymphatics.  
 The skin : Structure : Development : Innervation : Nutrition.  
 Anatomical aspects of metastasis in malignant diseases.

**Pathology :**

Diseases of Alimentary, Respiratory, Cardiovascular, Genito-Urinary and Central  
 Nervous Systems.  
 Bones, Joints and Skin.  
 Pathology in relation to radiation.



*Physics :*

Physics as applied to Medical Radiology.

*Gross and Radiographic Anatomy :*

Respiratory and Cardiovascular systems.

Skeletal System.

Nervous System, Normal encephalograms and angiograms.

Urological System.

Digestive System.

**Teaching of Diploma in Medical Radiology Diagnostic Part II***Subjects taught*

Diagnostic X-Ray Generators circuits, X-Ray tubes and accessories.

The quality of the Radiographic and fluoroscopic images and the various factors affecting them.

Radiographic technique and Dark room procedures.

Principles and special radio-diagnostic techniques and recent advances.

Radiology of bones and joints.

Respiratory system, Digestive system, Urogenital system, Nervous system.

Heart and mediastinum.

Eye, Ear, Nose, Throat, Teeth alviolar arch, Soft tissues, liver and Gall bladder.

Obstetrics and Gynaecology.

Practical and Clinical classes in D.M.R.D. Part II course were held as per prescribed syllabus.

**Teaching of Diploma in Medical Radiology Therapeutics Part II***Subjects taught*

Applied Physics in Radiology.

Introduction of Biological effects of Radiation.

Radioactive substance in nature and their physical principles.

Radiotherapeutic generator, tubes and accessory equipments.

Production, properties and measurements of radio-active isotopes.

Measurements of doses. Isodose charts.

Physical principles in planning treatment and methods in clinical Radiotherapy.

Radiotherapy in non-malignant conditions, lungs, mediastinum oesophagus, gastro-intestinal tract, skin and lip.

Radiotherapy for Salivary glands, tumours of thyroid gland, nasal accessory sinuses, nasopharynx, pharynx and larynx. Records and statistics.

Radiotherapy in malignant diseases of male and female genitourinary system. Radiotherapy with megavoltage radiation.

Use of radio-active isotopes in the treatment of malignant diseases.

Radiotherapy in the diseases of mouth, central nervous system and eye.

General principles of Radiotherapy. Radiotherapy in reticulosis and leukaemia.

Hormones and Chemotherapy in the treatment of cancer.

Radiotherapy in malignant diseases of breast and child.

Radiation hazards and protection.

Practical and clinical classes in D.M.R.T. Part II course were held as per prescribed syllabus.





### Department of Dermatology

The department has been functioning since the first academic session in 1957-58 under the guidance of Prof. B. N. Banerjee, M.B. (Cal.), F.R.C.P. (Edin.), F.A.A.D., as Head of the Department. In 1968, a post of Hony. Lecturer was sanctioned for the department. Dr A. K. Datta, M.B.B.S., D.T.M. & H., D. Dermat., D. Phil., has been appointed to the post. Out-patients sections of the Dermatology department at Goenka Hospital of the University College of Medicine remain open on all Tuesdays, Thursdays and Saturdays.

#### Present Teaching Staff :

##### University Teachers :

- Dr. B. N. Banerjee, M.B. (Cal.), F.R.C.P. (Edin.), F.A.A.D. (U.S.A.)—  
Head of the Department.
- Prof. M. L. Pan, M.B., L.R.C.P., F.R.C.S.
- Prof. P. K. Banerjee, M.Sc., M.B.B.S., D.Phil.
- Dr. A. K. Maiti, M.Sc. M.B.B.S., D.Phil.
- Dr. S. R. Dasgupta, M.B.B.S., D.Phil.
- Dr. N. Roy, M.B.B.S., D.Phil.
- Dr. P. R. Roy, B.Sc., M.B.B.S., Ph.D. (St. Andrews)
- Dr. N. C. Chakravarty, M.B.B.S., M.Sc. (Med.), D.Phil.
- Dr. A. K. Datta, M.B.B.S., M.Sc. (Med.)
- Dr. M. M. Mukherjee, M.B.B.S., M.Sc. (Med.)
- Dr. M. Goswami, M.Sc., M.B.B.S.
- Dr. B. Dattachaudhuri, M.B.B.S., D.C.P., D.Phil.
- Dr. A. Ghoshdastidar, M.B.B.S., M.Sc. (Med.)
- Dr. S. Sikdar, M.B.B.S., M.D.
- Dr. B. P. Mukherjee, M.B.B.S., M.Sc. (Med.)
- Dr. N. M. Roy, M.B.B.S., D.Phil.
- Dr. P. C. Chatterjee, M.B.B.S., D.T.M. & H., M.D.
- Dr. N. K. Mitra, M.B.B.S., Dip. B.M.S., D.T.M., D.C.P., D.Phil.
- Dr. A. K. Datta, M.B.B.S., D.T.M. & H., D. Dermat., D.Phil.
- Dr. K. S. Bose, M.B., M.S. (Cal.)

##### Extra-mural Teachers :

- Dr. B. Chukerbutty, M.B., I.A.M.C. (Retd.)
- Dr. T. D. Majumdar, M.B., M.D. (Germany)
- Dr. A. K. Chaudhury, M.Sc., M.B., D.T.M.
- Dr. S. C. Mitra, M.B.B.S., D.T.M., D. Dermat.
- Dr. K. D. Lahiri, M.B.B.S., M.D., Ph.D., D.Phil., D.T.M. & H.,  
F.D.S. (Lond.), F.D.S. (Medico)
- Dr. A. K. Banerjee, M.B.B.S., D.T.M., D.Phil.
- Dr. A. Mukherjee, M.B.B.S., M.S. (Cal.)
- Dr. S. Ghosh, M.B.B.S., D.T.M., D.Bact.
- Dr. B. P. Ghosh, M.Sc. (Cal.), Ph.D. (Wiscon.)
- Dr. S. Chatterjee, M.B., D.T.M. (Cal.), D.M.R.T. (Eng.)





A view of Dermatology Out-door at Coimbat Hospital. Dr. B. N. Banerjee, Head of the Department of Dermatology, University College of Medicine and a Research Scholar are investigating a case.



## Teaching of the Diploma Course in Dermatology

*Subjects taught*

## BASIC MEDICAL SCIENCES

*Anatomy :*

Evolution and development of skin.  
 Appendages of the skin.  
 Functional Histology of skin. Nutrition of the skin, blood vessels and lymphatics.  
 Vascular supply and innervation of skin.  
 Histology of skin appendages.  
 Anatomical aspects of the regeneration of the skin.

*Physiology :*

Functional morphology of skin. Biophysics of skin.  
 Sensory functions of skin and receptors.  
 Cutaneous absorption and circulation of skin, Vascular reactions.  
 Biochemistry and Biophysics of skin. Chemical composition and metabolism of skin.  
 Enzymes of skin and nutrition of skin.  
 Physiology of hair growth.  
 Biology of epidermal cells, Collagen, reticulin and elastin.  
 Sweat secretion and sebaceous gland excretion.  
 Role of skin in temperature regulation, physiology of pigmentation.  
 Keratinization process of the skin.

*Pathology, Bacteriology, Parasitology, Mycology :*

Pathological changes of the epidermis.  
 Pathological changes of the corium.  
 Cells of the corium.  
 Pathological changes of dermal appendages.  
 Lesions of the skin associated with bacterial infection.  
 Identification of pathogenic bacteria.  
 Experimental transmission of skin diseases.  
 Skin diseases in animals communicable to man.  
 Host-Parasite relationship.  
 Influence of bacteria upon healing.  
 Autogenous disinfection of the skin.  
 Parasitology in relation to dermatology.

*Pharmacology :*

Histamine and Antihistamine. Normal Role in body and its Pharmacodynamics.  
 Steroids : Physiological and Pharmacological consideration.  
 Anti-infective Drugs.  
 Radioactive elements.  
 Antifungal and antiviral agents.

*Clinical Dermatology :*

Pruritus.  
 Vesiculo Bullous Disorders.  
 Tuberculosis of the skin.  
 Syphilis.  
 Pigmentation.  
 Congenital (Nevoid) anomalies.



Diseases of the nails etc.

Metabolic Disorders.

Collagen-diseases of the skin.

Diseases due to the Vitamins and nutrition deficiency and excess.

(a) Treatments.

(b) Prevention of Cutaneous diseases and Rahabilitations of patients suffering from Cutaneous diseases.

(c) Social Aspects of Dermatology.

Urticaria, Toxic Erythemas and Drug Eruptions.

Occupational dermatoses.

Pyodermas.

Diseases due to animal parasites.

Diseases due to physical agents.

Radiotherapy.

Leprosy.

Acne and Seborrhoeic Dermatoses.

Eczema.

Maculo-papulo-Squamous diseases.

Disorders of the mucous membranes.

Benign Tumours of the Skin.

Premalignant and Malignant Tumours of the Skin.

Histopathology.

Dermal Leishmaniasis.

Fungus infections.

Virus and other infections excluding Syphilis.

Following **Research Schemes** have been undertaken by the department in recent years in addition to that conducted by the departmental research scholar :

1. Action of Antifungal antibiotic (Grisovin F. P.) and Vitamin "A" in superficial mycosis—clinical, biochemical and histochemical works.
2. A study of the nature of allergens in the causation of contact Dermatitis.
3. A short clinico-therapeutic trial of Locacorten cremes (of M/s. Ciba of India, Ltd.) on skin diseases, specially Eczemas.
4. Clinical evaluation of a new topical fungicidal agent, Tolnaftate 1 P. C. solution (Brand name in India Tinaderm) in the treatment of superficial mycotic infection of skin—The study is in progress.
5. Study of a new antibacterial topical creme—"Gentamicin (as sulfate) 1.0 mg. Brand name in India—"Garamycin" in the treatment of bacterial infections of skin.

### Department of Cardiology

The department was supervised all through, since its inception in 1957, by Dr. J. C. Gupta, M. B. (Cal.), M. D. (Cologne) as its Head. He retired in December, 1968.

### Present Teaching Staff :

#### University Teachers :

Dr. J. C. Gupta, M. B. (Cal.), M. D. (Cologne)—Head of the Department  
(Retired on 31-12-68)

Prof. M. L. Pan, M.B., L.R.C.P., F.R.C.S.

Prof. P. K. Banerjee, M. Sc., M.B.B.S., D.Phil.

Dr. A. K. Maiti, M.Sc., M.B.B.S., D.Phil.

Dr. S. R. Dasgupta, M.B.B.S., D. Phil.

Dr. N. Roy, M.B.B.S., D. Phil.



Dr. P. R. Roy, B.Sc., M.B.B.S., Ph.D. (St. Andrews)  
 Dr. N. Chakravarty, M.B.B.S., M.Sc. (Med.), D.Phil.  
 Dr. A. K. Datta, M.B.B.S., M.Sc. (Med.)  
 Dr. M. M. Mukherjee, M.B.B.S., M.Sc. (Med.)  
 Dr. M. Goswami, M.Sc., M.B.B.S.  
 Dr. A. Ghoshdaastidar, M.B.B.S., M.Sc. (Med.)  
 Dr. B. Dattachaudhuri, M.B.B.S., D.C.P., D. Phil.  
 Dr. S. Sikdar, M.B.B.S., M.D. (Agra)  
 Dr. B. P. Mukherjee, M.B.B.S., M.Sc. (Med.)  
 Dr. N. M. Roy, M.B.B.S., M.D.  
 Dr. P. C. Chatterjee, M.B.B.S., D.T.M. & H., M.D.  
 Dr. N. K. Mitra, M.B.B.S., Dip. B.M.S., D.C.P., D.T.M., D.Phil.  
 Dr. N. Goswami, M.B., Ph.D.  
 Dr. B. B. Roy M.B. (Cal.)  
 Dr. R. Dattachaudhuri B. Sc., M.B.B.S., M.C. Path (Lond.)  
 Dr. S. Mukherjee, B.Sc., M.B.B.S., D. Phil., Ph. D. (Edin.)

*Extra-mural Teachers :*

Dr. D. P. Basu, M.B. (Cal.), F.R.C.P. (Edin.), M.R.C.P. (Edin.), Ph.D. (Lond.),  
 F.A.C.C., F.I.C.A.  
 Dr. A. B. Mukherjee, M.B., D.T.M. (Cal.), M.R.C.P. (Lond.)  
 Dr. G. S. Karai, M.D., F.R.C.S. (Eng.) F.A.C.S.  
 Dr. S. K. Sen, M.B.B.S., F.R.C.P. (Edin.)  
 Dr. R. N. Chatterjee, M.D. (Cal.)  
 Dr. M. K. Chhetri, M.D. (Cal.), M.R.C.P. (Lond.)  
 Dr. B. Roy, M.Sc., M.B.B.S., D.Phil. (On requisition)  
 Dr. S. Bose, M.B., D.M.R.D., R.C.P. & S. (Eng.) (On requisition)  
 Dr. A. Roy, M.B., D.M.R.D. (On requisition)  
 Dr. P. C. Rakshit, M.B.B.S., Ph.D. (On requisition)  
 Dr. B. C. Sinha, M.B. (Cal.), M.R.C.P. (Lond.), M.D., F.A.C.C. (U.S.A.) (On requisition)

**Teaching of the Diploma Course in Cardiology**

*Subjects taught*

**A. BASIC MEDICAL SCIENCES**

*Anatomy :*

The Evolution of the Mammalian Heart : Development of the Heart and its related Great Vessels.  
 The Congenital anomalies of the Heart & Great Vessels.  
 The Gross anatomy of the Heart and Great Vessels : Circulation—before and after birth.  
 The structure of the Heart—Myocardium and Specialised tissues : Evolution.  
 The Nutrition of the Heart : Coronary circulation.  
 Innervation of Heart.  
 The Pericardium—Congenital anomalies  
 The Lymphatic system.  
 The C. S. Fluid—its formation and circulation.  
 Anatomical aspects of Oedema, Dyspnoea and Precordial pain.



*Physiology:*

Perspectives in Cardio-Vascular Physiology.  
 Historical development of Cardio-Vascular Physiology.  
 Physiology of Cardiac muscle.  
 Metabolism of heart.  
 Nutrition of heart  
 Role of electrolytes on Cardiac muscles.  
 Electrical activity of myocardium—cellular electrophysiology.  
 Energy Co-efficient of the heart.  
 Isolated heart and papillary muscle preparation.  
 Excitation of the heart.  
 Cellular electrophysiology of the myocardium.  
 Control of the function of heart.  
 Cardiac reflexes.  
 Cardiodynamics—Role of heart in general circulation.  
 Cardiac Reserve and Cardiac Cycle.  
 Cardiac Output and Volume—measurement and implications.  
 Biochemistry of Cardiac enzymes.  
 Haemodynamics of blood pressure.  
 Homeostasis and vasomotor reflexes.  
 Coronary circulation and pulmonary circulation.  
 Physical principles of circulatory phenomenon. Propagation of pulse waves—velocity of blood flow.

*Pathology including Bacteriology:*

Disease of Endocardium. Congenital Heart diseases.  
 Ischaemic Heart diseases.  
 Hypertension and Hypertensive heart diseases.  
 Congestive Heart failure.  
 Cardio-Vascular Syphilis.  
 Diseases of Blood vessels.  
 Diseases of Pericardium. Diseases of Myocardium

*Pharmacology:*

Drugs for anginal pain. Lipotropic drugs.  
 Drugs affecting blood coagulation.  
 Anti-rheumatic drugs, with reference to Cardio-Vascular disease.  
 Therapeutic agents—Morphine, Oxygen and Chemotherapy.  
 Cardiac Steroids.  
 Autonomic Drugs with reference to Cardio-Vascular system.  
 Antihypertensive Drugs.  
 Drugs for disorders for Cardiac rhythm Diuretics.

**B. CLINICAL CARDIOLOGY**

Hypertension, Hypertensive Heart Diseases and Endocrine Heart Diseases.  
 Ischaemic Heart Disease. Acute Myocardial infarction. Effort Angina.  
 Congenital Heart Diseases with shunt effect.  
 Congenital Heart with obstructive lesions.  
 Congenital Heart Disease with combined defects.  
 Acute left ventricular Failure.  
 Congestive Heart Failure.  
 Pregnancy and Heart Disease.  
 Cardiomyopathies.





Cor Pulmonary and Hyperkinetic circulatory states.  
 Rheumatic & Coronary Heart Diseases.  
 Surgical aspect of congenital and Rheumatic Heart diseases.  
 Arrhythmias of Heart.  
 E.C.G.  
 Electrolyte and E.C.G.  
 Endocrine Heart Disease & E.C.G.

### Department of Psychological Medicine

The department started functioning during the session 1960-61 with Dr. N. De, M.B., D.T.M. (Cal.), M.R.C.P. (Edin.), D.P.M. (Lond.) as its Head. On retirement of Dr. De after an appreciative record of service Dr. C. C. Saha, M.B., D.P.M. (Cal.), F.R.C.P. (Lond. & Glas.) was appointed the Head of the Department in 1963.

### Present Teaching Staff :

#### University Teachers :

Dr. C. C. Saha, M.Sc., M.B., D.T.M. (Cal.), F.R.C.P. (Glas.), F.R.C.P. (Lond.)  
 —Head of the Department.  
 Prof. M. L. Pan, M.B., L.R.C.P., F.R.C.S.  
 Prof. P. K. Banerjee, M.Sc., M.B.B.S., D. Phil.  
 Dr. A. K. Maiti, M.Sc., M.B.B.S., D. Phil.  
 Dr. S. R. Dasgupta, M.B.B.S., D. Phil.  
 Dr. N. Roy, M.B.B.S., D. Phil.  
 Dr. P. R. Roy, B. Sc., M.B.B.S., Ph. D. (St. Andrews)  
 Dr. N. C. Chakraborty, M.B.B.S., M.Sc. (Med.), D. Phil.  
 Dr. A. K. Datta, M.B.B.S., M.Sc. (Med.)  
 Dr. M. M. Mukherjee, M.B.B.S., M.Sc. (Med.)  
 Dr. M. Goswami, M.B.B.S., M.Sc.  
 Dr. A. Ghoshdastidar, M.B.B.S., M.Sc. (Med.)  
 Dr. B. Duttaachandhury, M.B.B.S., D.C.P., D. Phil.  
 Dr. S. Sikdar, M.B.B.S., M.D. (Agra).  
 Dr. B. P. Mukherjee, M.B.B.S., M.Sc. (Med.)  
 Dr. N. M. Roy, M.B.B.S., M.D.  
 Dr. P. C. Chatterjee, M.B.B.S., D.T.M. & H., M.D.  
 Dr. N. K. Mitra, M.B.B.S., Dip. B.M.S., D.C.P., D.T.M., D. Phil.  
 Sri A. N. Dutta, M.Sc.—University Colleges of Science & Technology.

#### Extra-mural Teachers :

Dr. J. B. Mukherjee, M.B. (Cal.), D.P.M. (Lond.)  
 Dr. A. K. Deb, M.Sc., M.B. (Cal.), D.P.M. (Lond.)  
 Dr. A. K. Roychaudhury, M.Sc., M.B.B.S.  
 Dr. J. N. Mullick, M.Sc., M.B.B.S.  
 Dr. D. N. Nandi, M.Sc., M.B.B.S., D. Phil., D.P.M., M.R.C.P. (Edin.)  
 Dr. S. K. Roy, M.B.  
 Dr. P. K. Roy, M.B., M.R.C.P., D.P.M.  
 Dr. (Sm.) A. Chakraborty, M.B. (Cal.), M.R.C.P. (Lond.), D.P.M. (Lond.)  
 Dr. S. Bose, M.B., D.M.R.D., R.C.P. & S. (Eng.) (On requisition)  
 Dr. S. Dutta, M.D. (On requisition)  
 Dr. R. Chatterjee, M.B. (Cal.), M.S. (Cal.) (On requisition)  
 Dr. A. Bagehi, M.B.B.S., F.N.S. (Vienna), F.A.C.S., F.I.C.S. (On requisition)  
 Dr. P. Bose, M.B.B.S., D.T.M. (On requisition)



# 1. Teaching of the Diploma Course in Psychological Medicine, Part I

## *Subjects taught*

### A. BASIC MEDICAL SCIENCES

#### (a) *Anatomy :*

Nerve Tissue—general consideration.  
 Histogenesis of Neural epithelium. Myelination of Nerve fibers.  
 Degeneration and regeneration of nerve fibers. Lower Motor neurone.  
 Spinal cord—spinal nerve—spinal meninges.  
 Cerebrum—cerebellum—brainstemventricles—meninges.  
 Aff. system classification and general consideration.  
 Somesthetic and Kinesthetic system including trigeminal nerves.  
 The olfactory system and the rhinencephalon.  
 The optic system. The auditory and vestibular systems.  
 Functional areas—Localization of functions.  
 Cerebral cortex—Morphology.  
 The pyramidal and extra-pyramidal system.  
 Motor functions and their mechanisms—normal and abnormal.  
 The autonomic nervous system.  
 The association fibres of the nervous system.  
 The blood supply of nervous system and vascular phenomena.  
 Cerebro-spinal fluid—formation—circulation and clinical importance.  
 Methods of investigation of the nervous system.

#### (b) *Physiology :*

Perspectives of Neurophysiology. History of neurophysiology.  
 Electrophysiology of excitations of nerve and muscles.  
 Muscles, innervation, control, tone, posture and equilibrium.  
 Units of the nervous system. Reflex action and its properties.  
 Autonomic Nervous system. Hypothalamus.  
 Chemical architecture and environment of nervous system.  
 Reflex action and its properties. Receptors and sensory functions.  
 Physiology of cerebral cortex. Cerebellum and reticular formation.  
 Abnormalities of mental functions under inadequate nutrition (influence of vitamins and hormones). Conditioned reflexes.  
 Neurophysiology in relation to emotion and motivation.

#### (c) *Pharmacology :*

Physiology of consciousness : Drugs acting on the Reticular formation.  
 Psychopharmacology, introduction : Tranquilizers. Hallucinogen.  
 Neurotransmitter and Central stimulant.  
 Antiepileptic and anti-convulsants.  
 Drug producing convulsions and coma.

### B. PSYCHOLOGY

General Psychology. Comparative Psychology.  
 Industrial Psychology. Child Psychology. Social Psychology. Physiological Psychology. Analytical Psychology. Statistics.  
 Historical Review and Ancient Indian Psychology. Mental test.



**Experimental Method :—**

Intelligence testing. Personality testing.  
Vocational guidance. Marriage guidance.

**2. Teaching of the Diploma Course in Psychological Medicine, Part II***Subjects taught***A. BASIC MEDICAL SCIENCES***Pathology including Bacteriology :*

Pathology of the Nervous System.  
Examination of C.S.F.

**B. NEUROLOGY**

Hydrocephalus and intracranial tumour. Disorders of circulation of the nervous system. Injuries of the brain. Diseases of the meninges. Suppurative encephalitis, virus infection of the nervous system. Syphilis of the nervous system. Demyelinating diseases of the nervous system. Extrapyrarnidal syndromes. Congenital and degenerative disorders of the nervous system. Disorders of the spinal cord. Intoxications affecting the nervous system. Deficiency disorders of the nervous system. Disorders of the muscle. Disorders of the autonomic nervous system. Paroxysmal convulsive disorders. Cranial nerves disorders of the peripheral nerve. X-ray Study of the nervous system. Clinical E.E.G.

**C. PSYCHIATRY**

Historical review. Classification. Genetics and other aetiological factors. Clinical methods in psychiatry. Psychoneurosis : Hysteria. Anxiety states, neurasthenia, obsessive and compulsive psychoneurosis. Psychoses : Affective psychosis, schizophrenia and paranoid psychosis. Psychopathic states. Drug addicts. Organic mental disorders : Infective, toxic, traumatic, vascular and neoplastic disturbances of the brain. Mental disorders associated with endocrine diseases and deficiency of food factors. Epilepsy. Psychosis and psychoneurosis of war. Psychosis associated with organic diseases other than that of nervous system (Somato-psychic medicine). Special methods of physical treatment in psychiatry. Occupational therapy. Administration and personal management in a mental hospital. Relation of psychiatry and law including Indian Lunacy Act. Social and preventive psychiatry and mental hygiene. Psychopathology and Psychotherapy : Child Psychiatry : Mental Deficiency. Biochemistry and Mental Disorder : Clinical Endocrinology in relation to mental disorders.

Demonstration and Clinical classes were held as per syllabus prescribed.

Besides, students of D.P.M., Part II Course were taken to Ranchi Mental Hospital, Kanke, and various types of Psychiatry cases along with various types of therapeutic measures were demonstrated to the students.

**Department of Anaesthesiology**

The Department was initiated in the year 1961, when Dr. H. Barat, M.B., F.R.C.S. (Edin.), D.A., F.F.A.R.C.S. (Eng.), took over the charge as Head of the Department. The department has been progressing under the supervision of Dr. Barat during the last few years.



**Present Teaching Staff :***University Teachers :*

- Dr. H. Barat, M.B., F.R.C.S. (Edin.), D.A., F.F.A.R.C.S. (Eng.)—  
Head of the Department.
- Prof. M.L. Pan, M.B.B.S., L.R.C.P., F.R.C.S.  
 Prof. P.K. Banerjee, M.Sc., M.B.B.S., D.Phil.  
 Dr. A. K. Maiti, M.Sc., M.B.B.S., D.Phil.  
 Dr. S. R. Dasgupta, M.B.B.S., D.Phil.  
 Dr. N. Roy, M.B.B.S., D.Phil.  
 Dr. P. R. Roy, B.Sc., M.B.B.S., Ph.D. (St. Andrews)  
 Dr. N. C. Chakrabarty, M.B.B.S., M.Sc. (Med.), D.Phil.  
 Dr. A. K. Datta, M.B.B.S., M.Sc. (Med.)  
 Dr. M. M. Mukherjee, M.B.B.S., M.Sc. (Med.)  
 Dr. M. Goswami, M.B.B.S., M.Sc.  
 Dr. A. Ghoshdastidar, M.B.B.S., M.Sc. (Med.)  
 Dr. B. Dattachaudhury, M.B.B.S., D.C.P., D.Phil.  
 Dr. S. Sikdar, M.B.B.S., M.D.  
 Dr. B. P. Mukherjee, M.B.B.S., M.Sc. (Med.)  
 Dr. N. M. Roy, M.B.B.S., M.D.  
 Dr. P. C. Chatterjee, M.B.B.S., D.T.M. & H., M.D.  
 Dr. N. K. Mitra, M.B.B.S., Dip. B.M.S., D.T.M., D.C.P., D. Phil.  
 Dr. A. K. Basu, M.S. (Cal.), F.R.C.S. (Eng.), F.A.C.S.  
 Dr. T.K. Ghosh, M.D.

*Extra-mural Teachers :*

- Dr. J. R. Mitra, M.B.B.S., D.Phil.  
 Dr. S. K. Chatterjee, F.A.C.A.  
 Dr. A. K. Bose, M.B., F.F.A.R.C.S. (Eng.), D.A., F.R.P.S. (Eng.)  
 Dr. S. Pramanik, M.B.B.S., D.A. (Lond.), F.F.A.R.C.S. (Eng.)  
 Dr. D. N. Ganguly, M.B.B.S., D.A.  
 Dr. (Mrs.) A. Banerjee, M.B., D.A., F.F.A.R.C.S. (Eng.)  
 Dr. G. L. Seal, M.B.B.S., D.A.  
 Dr. K. C. Datta, M.B.B.S., D.A.  
 Dr. B. P. Roy, M.B.B.S., D.A.  
 Dr. B. Guha, M.B.B.S., D.A.  
 Dr. N. C. Bose, M.B.B.S., D.A.  
 Dr. R. N. Chatterjee, M.B. (Cal.), M.S. (Cal.)  
 Dr. P. C. Rakshit, M.Sc., M.B.B.S., Ph.D.

**Teaching of the Diploma Course in Anaesthesia, Part I***Subjects taught***BASIC MEDICAL SCIENCES****(a) Anatomy :**

Nasal Fossa and nasopharynx. Trachea and Bronchial tree: Segmental.  
 Anatomy of lungs. Mechanism of respiration.  
 Diaphragm and other muscles of respiration.  
 Heart (general consideration).



Outline of venous system.  
 Myocardium—specialised junctional tissue.  
 Coronary circulation.  
 Rectum and anal canal, vertebral column.    Peripheral nerves—Plexuses and ganglia.

(b) *Physiology :*

Perspectives in the study of Physiology in the D.A. Course.  
 Biophysical principles.  
 Functions of liver and liver function tests.  
 Renal function tests.  
 Carbohydrate metabolism.  
 Fat metabolism.  
 Endocrines in relation to anaesthesiology.  
 Physiology of the neurone and synapse.  
 Pulmonary function tests.  
 Regulation of breathing.  
 Physiology of circulation.  
 Reflex arc and spinal cord.  
 Neuromuscular co-ordination.  
 Reticular formation.  
 Cerebral cortex—functional depression and cortical dynamics.  
 Autonomic nervous system and hypothalamus.

(c) *Pathology including Bacteriology :*

Inflammation—acute and chronic.  
 Reaction and repair.  
 Degeneration.  
 Body temperature and fever.  
 Infection.  
 Immunity.  
 Thrombosis, Embolism, Infarction.  
 Oedema, Shock, Haemorrhage.  
 Bacteriology of infection.  
 Coagulation of blood.  
 Haemorrhagic disorders.  
 Anaemias, Leukemias.  
 Blood groups and transfusion.  
 Diseases of Respiratory system.  
 Diseases of Cardiovascular system.  
 Diseases of Alimentary system.  
 Diseases of the Liver and Kidney.  
 Diseases of the Endocrine system.

(d) *Pharmacology :*

Physiological basis of consciousness and Pharmacological consideration.  
 General Anaesthetic agents.  
 Sedatives—Barbiturates and other Sedative.  
 Narcotics and narcotics analgesics.  
 Non-narcotic analgesics ; Cortical steroids.  
 Premedication ; Hypothermia.  
 Neurotransmitters ; muscle relaxants.  
 Local anaesthetics.  
 Hypotensive drugs and Hypertensive agents.  
 Corticosteroids.  
 Cardiac arrhythmia—Pharmacologic consideration.  
 Coagulants and anti-coagulants.  
 Diuretics.  
 Antibiotics and Chemotherapeutics.



## Teaching of the Diploma Course in Anaesthesia, Part II

### *Subjects taught*

General considerations.  
 Anaesthesia for abdominal and Neuro-Surgery.  
 Management of unconscious Oxygen therapy.  
 Intravenous anaesthesia. Accidents and Hazards (explosion) in anaesthesia.  
 Conduction anaesthesia.  
 Anaesthesia in Thoracic Surgery.  
 Induced hypotension and Hypothermia.  
 Choice of anaesthetics in diseases.  
 General Adaptation Syndrome.  
 Geriatric and Pediatric anaesthesia.  
 History of anaesthesia.  
 Anaesthesia and analgesia in Obstetrical practice.  
 Resuscitation of the Newborn.  
 Radiological aspects of anaesthesia.  
 Congenital Heart.  
 Cardiac diseases and anaesthesia.  
 Electro-Encephalogram in anaesthesia.  
 Clinical Demonstration classes in Diploma Course in Anaesthesia, Part II were held as per syllabus prescribed

### Department of Venereology

This department could be brought into existence in the year 1963-64. Dr. Sourin Ghosh, M.B., F.R.C.S. was appointed as the first Head of the Department June, 1963, in which post he continued till December, 1966, when he breathed his last. During this short period of association with the department, Dr. Ghosh proved himself to be a successful organiser and teacher. Dr. B. N. Banerjee, M.B. (Cal.), F. R. C.P. (Edin), F.A.A.D. (U.S.A.), Head of the Department of Dermatology succeeded Dr. Ghosh in 1967 as Head of this department also.

### Present Teaching Staff :

#### *University Teachers :*

Dr. B. N. Banerjee, M.B. (Cal.), F.R.C.P. (Edin.), F.A.A.D. (U.S.A.)  
 —Head of the Department.  
 Prof. M. L. Pan, M.B., L.R.C.P., F.R.C.S.  
 Prof. P. K. Banerjee, M.Sc., M.B.B.S., D.Phil.  
 Dr. A. K. Maiti, M.Sc., M.B.B.S., D.Phil.  
 Dr. S. R. Dasgupta, M.B.B.S., D.Phil.  
 Dr. P. R. Roy, B.Sc., M.B.B.S., Ph. D. (St. Andrews)  
 Dr. N. C. Chakraborty, M.B.B.S., M.Sc. (Med.), D. Phil.  
 Dr. M. M. Mukherjee, M.B.B.S., M.Sc. (Med.)  
 Dr. A. K. Datta, M.B.B.S., M.Sc. (Med.)  
 Dr. N. Goswami, M.B.B.S., Ph.D.  
 Dr. M. Goswami, M.B.B.S., M.Sc.  
 Dr. B. Dutta Chaudhury, M.B.B.S., D.C.P., D.Phil.  
 Dr. A. Ghoshdastidar, M.B.B.S., M.Sc. (Med.)  
 Dr. S. Mukherjee, B.Sc., M.B.B.S., D.Phil., Ph.D. (Edin.)  
 Dr. S. Sikdar, M.B.B.S., M.D.  
 Dr. B. P. Mukherjee, M.B.B.S., M.Sc. (Med.)





Dr. N. M. Roy, M.B.B.S., M.D.  
 Dr. B. B. Roy, M.B. (Cal.)  
 Dr. N. Roy, M.B.B.S., D.Phil.  
 Dr. N. K. Mitra, M.B.B.S., Dip. B.M.S., D.C.P., D.T.M., D.Phil.  
 Dr. P. C. Chatterjee, M.B.B.S., D.T.M.&H., M.D.  
 Dr. R. Dattachaudhuri, B.Sc., M.B.B.S., M.C., Path. (Lond.)

*Extra-mural Teachers :*

Dr. P. N. Khan, M.B., D.T.M., M.R.C.P.I.  
 Dr. N. C. Bhattacharya, M.B.  
 Dr. J. Majumdar, M.B.B.S., D.Dermat., D.V. (Cal.)  
 Dr. N. M. Banerjee, M.B. (Cal.), D.M.B. (Lond.) (On requisition)

**Teaching of the Diploma Course in Venereology**

*Subjects taught*

**A. BASIC MEDICAL SCIENCES**

*Anatomy :*

The External genitals in the male with special reference to penis and scrotum : Lymphatics : Applied importance. The External genitalia in the female : Lymphatics : Applied importance. The Reproductive system—general considerations : The Testes—Epididymis—Vas deferens : The Ovary : vascularity : Congenital anomalies : Applied importance. The Uterine tube—Uterus and its adnexa—vagina with special reference to structure and vascularity : Congenital anomalies : Applied importance. The Accessory sex glands in the male and female with special reference to prostate, seminal vesicle and Bartholin's gland : Applied importance. The Urinary bladder : Structure—vasculature—innervation and mechanism of micturition : Congenital anomalies : Applied importance with special reference to incontinence of urine. The Urethra in the male and female : Congenital anomalies : Applied importance. The Rectum and Anal Canal : Vascularity : Congenital anomalies : Applied importance. The Lymphatic drainage of the uro-genital system and perineum including Anal Canal : Applied importance. The Spinal cord—Spinal tracts—Spinal meninges—Congenital anomalies : Applied importance. The Spinal nerves—Peripheral nerves and nerve plexuses : Applied importance. The Ventricles of the Central Nervous system : C. S. fluid : Applied importance. The Structure of the skin with special reference to functions : Applied importance. The Innervation and Vascularity of skin—general considerations : Applied importance. The Anatomical considerations of orgasm and ejaculation : Anatomical considerations in the investigation of a case of infertility.

*Physiology :*

Perspectives of Physiology in Venereology. Structure and functions of testis—Androgenic hormones, Hypothalamo-hypophyseal mechanism—Spermatogenesis and semen. Micturition—Mechanism and Disorders. Physiology of skin and sweat glands. Structure and functions of ovary—ovarian hormones. Physiology of ovarian hormones. Menstrual cycle and Fertilization. Mixed spinal nerves—Polyneuritis—Ascending and Descending tracts—Tabes Dorsalis. Effects of hemi and complete sections of spinal cord—Myelitis.

*Pharmacology :*

Antibiotics—general consideration.  
 Penicillin.  
 Broad spectrum antibiotic.  
 Chemotherapeutic agents—general consideration.  
 Therapy in Syphilis.  
 Therapy in Gonorrhoea.  
 Drug reactions in V.D. practice.



*Pathology including Bacteriology :*

Gonorrhoea, Chancroid, Granuloma Venerum, Lymphogranuloma Venerum, Fusaropirochaetosis, Non-Gonorrheal discharges in Males and Females, Ulcers of Penis. Syphilis—Pathology, Primary, Secondary relapsing and latent. Syphilitic affection of skin and mucous-membrane, bones and joints, cardiovascular and other systems, and nervous system. Standard Immuno-Biological reactions and Serological Tests for Syphilis. Serological Treponemal Antigenic Tests for Syphilis and recent Advances. Bacteriology and Laboratory Aspects of Gonorrhoea and other Venereal Diseases. Mycosis and Trichomoniasis. Experimental Syphilis and Immunity in Syphilis.

**B. VENEREOLOGY**

Serology, Early Syphilis, Chancroid, Skin Diseases, Neuro Syphilis, Radiology in relation to venereal diseases, Cardiovascular syphilis, Pregnancy and Venereal diseases. Affection of Eye by Venereal Diseases.

Clinical Demonstration classes in Diploma Course in Venereology were held as per Syllabus prescribed.

**Department of Diseases of Ear, Nose and Throat**

This department was started functioning in the year 1963, with the appointment of Major K. K. Ghosh, M.B., F.R.C.S., D.L.O. He continued in that capacity till he retired in March, 1966. During this short period this department became renowned as one of the important teaching departments. Only a few months after the retirement of Major Ghosh, this department got Dr. N. Banerjee, M.B., F.R.C.S., D.L.O. as its next Head of the Department. Dr. Banerjee is still continuing as the Head of the Department.

**Present Teaching Staff :***University Teachers :*

- Dr. N. Banerjee, M.B.B.S., F.R.C.S., D.L.O.—Head of the Department
- Prof. M. L. Pan, M.B.B.S., L.R.C.P., F.R.C.S.
- Prof. P. K. Banerjee, M.Sc., M.B.B.S., D.Phil.
- Dr. A. K. Maiti, M.Sc., M.B.B.S., D.Phil.
- Dr. S. R. Dasgupta, M.B.B.S., D.Phil.
- Dr. N. Roy, M.B.B.S., D.Phil.
- Dr. P. R. Roy, B.Sc., M.B.B.S., Ph.D. (St. Andrews)
- Dr. N. C. Chakrabarty, M.B.B.S., M.Sc. (Med.), D.Phil.
- Dr. A. K. Datta, M.B.B.S., M.Sc. (Med.)
- Dr. M. M. Mukherjee, M.B.B.S., M.Sc. (Med.)
- Dr. M. Goswami, M.B.B.S., M.Sc.
- Dr. A. Ghoshdastidar, M.B.B.S., M.Sc. (Med.)
- Dr. B. Dattachandhuri, M.B.B.S., D.C.P., D.Phil.
- Dr. S. Sikdar, M.B.B.S., M.D.
- Dr. B. P. Mukherjee, M.B.B.S., M.Sc. (Med.)
- Dr. N. M. Ray, M.B.B.S., M.D.
- Dr. P. C. Chatterjee, M.B.B.S., D.T.M. & H., M.D.
- Dr. N. K. Mitra, M.B.B.S., Dip.B.M.S., D.T.M., D.C.P., D.Phil.
- Dr. A. K. Basu, M.S. (Cal.), F.R.C.S. (Eng.), F.A.C.S.
- Dr. T. K. Ghosh, M.D.
- Dr. H. Barat, M.B. (Cal.), F.R.C.S. (Edin.), D.A., F.F.A.R.C.S. (Eng.)

*Extra-mural Teachers :*

- Dr. B. K. Sengupta, M.B., D.L.O., R.C.P. & S. (Eng.)
- Dr. N. Dutta, M.B., F.R.C.S., D.L.O.





- Dr. H. Hazra, M.B., F.R.C.S., D.L.O.  
 Dr. P. K. Khasnobis, M.B., D.L.O., R.C.P.A.S. (Eng.)  
 Dr. A. Roy, M.B.B.S., F.R.C.S. (Edin.), D.L.O.  
 Dr. S. C. Banerjee, M.B.B.S., M.S. (Cal.)  
 Dr. M. Sen, M.B.B.S., D.L.O. (Eng.)  
 Dr. Bijon Roy, M.Sc., M.B.B.S., D.Phil. (On requisition)  
 Dr. S. Bose, M.B., D.M.R.D., R.C.P. & S. (Eng.) (On requisition)  
 Dr. N. M. Banerjee, M.B. (Cal.), D.M.R. (Lond.) (On requisition)  
 Dr. B. K. Dey, M.B., D.M.R.D., R.C.P.A.S. (Eng.) (On requisition)  
 Dr. M. Mukherjee, M.S., F.R.C.S. (Eng. & Edin.) (On requisition)  
 Dr. R. N. Chatterjee, M.B. (Cal.), M.S. (Cal.) (On requisition)  
 Maj. S. Basu, M.B. (Cal.), D.M.R. (Lond.) (On requisition)  
 Dr. A. Bagchi, M.B.B.S., F.N.S. (Vienna), F.A.C.S., F.I.C.S. (On requisition)  
 Dr. K. C. Dutta, M.B.B.S., D.A. (On requisition)  
 Dr. P. Bose, M.B., D.T.M. (On requisition)  
 Dr. P. C. Rakshit, M.Sc., M.B.B.S., Ph.D. (On requisition)

## 1. Teaching of the Diploma Course in Oto-Rhino-Laryngology—Part I

### *Subjects taught*

#### BASIC MEDICAL SCIENCES

##### *Anatomy :*

The Thoracic Cage—Principles underlying its formation : The cage at birth and during growth : Applied importance. Muscles of Respiration—Thoracic and extra-thoracic : Mechanism of Respiration—Normal and abnormal. The Nasal cavity : Congenital anomalies : Applied importance. Paranasal sinuses : Ontogeny : Congenital anomalies : Applied importance. The Anatomy of the Oral Cavity with special reference to Tongue, Teeth and Palate : Congenital anomalies : Applied importance. The Larynx : Evolution : Congenital anomalies : Applied importance. The Tracheo Bronchial tree : Congenital anomalies : Applied importance. The Lungs : Segmental anatomy : Vascularity : Pleural recesses : Congenital anomalies : Applied importance. The defensive mechanism : Applied importance. The Anatomy of the floor of mouth : Applied importance. The Pharynx : Congenital anomalies : Applied importance. The Oesophagus : Congenital anomalies : Applied importance. The face : Congenital anomalies : Applied importance. The mechanism of Deglutition : Applied importance. The Bronchial Apparatus—its derivatives and fate : Congenital anomalies : Applied importance. The Salivary glands—Congenital anomalies and applied importance. The deep cervical fascia—its distribution and applied importance. The Ear—Functional Classification : The External Ear and Tympanic Membrane : Congenital anomalies : Applied importance. The Middle Ear—Pharyngo-tympanic tube, Mastoid antrum : Congenital anomalies : Applied importance. The Internal Ear : Congenital anomalies : Applied importance. The Olfactory and Trigeminal nerves : Applied importance. The Facial and Auditory nerves. Applied importance. The glosso-pharyngeal, vagus—Accessory and Hypo-glossal nerves : Applied importance. The Anatomy of the child in relation to E. N. T. The Olfactory, Auditory and Vestibular Pathways : Applied importance. The Cerebellum : Role in postural equilibrium and Motor mechanism : Normal and abnormal movement. The anatomical consideration in the investigation of a case of Dysphagia. The mechanism of speech—normal and abnormal : Anatomical consideration in a case of Aphasia. Practical Demonstration.

##### *Physiology :*

Perspective in Physiology for D. L. O. Course. Structure—functional relationship of different components of external, middle and internal ear. Biophysics of sound. Transmission of sound to ear apparatus. Sensitivity and dynamic range of the ear. Hearing mechanical consideration. Audiogram and audiometry. Hearing aids. Theories of hearing.



Labyrinth, Auditory pathways and neurophysiology of hearing. Theories of hearing. Electrophysiological consideration of hearing. Mechanism of larynx. Biophysics of speech. Neurophysiology of speech. Aphasia. Olfactory mucous membrane, mechanism of olfaction, olfactory path. Tongue Taste bud. Physiology of Taste Sensation, Lingual papillae, Taste Path. Regulation of Respiration. Anoxia, its different types and effects of anoxia on different tissues of the body. Gaseous interchanges in the lungs and tissues.

*Pharmacology :*

Anti-infective agents. Haemopoietic response to Pharmacodynamic agent. Vitamins and Hormones. Antispasmodics. General Anaesthetics. Local anaesthetics and other local agents. Narcotic and Non-narcotic analgesics. Tranquillizers and antiemetics.

*Pathology and Bacteriology :*

Bacteriology of diseases of Ear, Nose and Throat. Allergy—Allergic diseases of Ear, Nose and Throat. Avitaminosis, Inflammation, acute and chronic, Inflammatory diseases of Ear, Nose and Throat.

## 2. Teaching of Diploma Course in Oto-Rhino-Laryngology—Part II

### *Subjects taught*

Epistaxis—Injuries, Foreign Bodies in Nasal Sinuses. Tonsil and Adenoids—Effects of Nasal Obstruction. Sinusitis—Acute Peritonsillar abscess—Ulcers Membranous conditions of Pharynx. Sinusitis—Chronic. Nasal Polypi and Clinical aspect of Nasal allergy. Congenital anomalies. Retropharyngeal Abscesses. Deviated Nasal Septum. Tumours of nose and paranasal sinuses—Benign and malignant (including cysts mucocoele etc.). Benign and Malignant growths of Larynx and Pharynx (excluding nasopharynx). Audiology, Audiometry and Hearing Aids. Rehabilitation of a Deaf. Surgical Anatomy and Physiology of the Larynx. Congenital anomalies of Larynx. Acute Inflammatory conditions of the Larynx. Oedema of the Larynx. Acute Laryngo-tracheo-bronchitis. Simple chronic Laryngitis including special types—Tuberculosis of the Larynx—Syphilitic affection of the Larynx. Neurological affectives of the Larynx—(a) Functional aphonia. (b) Paralysis of the Larynx. Stenosis of Larynx. Tracheostomy. Tumours of the Nasopharynx. History of evolution of Per-oral Endoscopy and its indications. Foreign bodies in food and air passages. Demonstration of Oesophagoscopy. Demonstration of Laryngoscopy. Demonstration of Bronchoscopy. Surgical Anatomy and Physiology of Ext. and Middle Ear and their congenital Anomalies. Affections of External Ear—including F.B.'s of various types in ear and their management. Inflammatory diseases of Middle Ear—Suppurative and Non-Suppurative including Aero-Otitis Media, Neoplasm of Ext. and Middle Ear, Benign and Malignant : Glomus Jugular. Surgical Anatomy and Physiology of Internal Ear. Theories of hearings, tests of Labyrinthine functions. Deafness : Classification; tests for hearing; Conduction deafness—causes, diagnosis—management. Perceptive deafness—causes, diagnosis—management. Menier's Syndrome—causes, management; Labyrinthitis—Suppurative and Non-Suppurative Acoustic Neuroma. Otosclerosis; Pathogenesis, Diagnosis. Otosclerosis : Evolution of treatment, Anaesthesiology in relation to E.N.T. Neurology (including Neurosurgery) in relation to E.N.T. Tumours (General Pathology). Diseases and tumours of Ear. Diseases and tumours of Nose. Diseases and tumours of Tonsils and Pharynx and Larynx. Diseases and tumours of Oesophagus. Anatomy of bronchial tree and Bronchoscopy. Oesophagoscopy and Oesophageal diseases. Diseases of the Lung. Soft tissue skiagram of nasopharynx and larynx. Nasopharyngeal growth : radiological manifestation. Retropharyngeal abscess, foreign body. Laryngeal growth—soft tissue skiagram. Oesophagus—different types of stricture, growth, diverticulum, cardiospasm, varicose veins. Radiology of mastoids—different radiographic projection and interpretation of lesion. Cerebral angiography—technic and interpretation. Ventriculography—interpretation. Radiology of fracture base of the skull involving petrous temporal bone. Fracture of nasal bones, nasal septum, zygoma maxilla. Nasal foreign bodies. Sinuses—Different radiographic projections and interpretation of lesions.



Trachea and bronchi—foreign body obstructive lesion. Bronchography, lung abscess, Neoplasm, and Tuberculosis of lungs. Mediastinal lesion. Radiotherapy—New growth of nose and nasal sinuses, pharynx and larynx. Radiotherapy of broncho-genic carcinoma, malignant thyroid, mediastinal tumours, Tumour oesophagus, Cerebellopontine angle tumour. Brain Abscess, Plastic Surgery in relation to E.N.T.

Clinical Demonstration Classes in Oto-Rhino-Laryngology Part II were held as per Syllabus prescribed.

### Department of Ophthalmology

Dr. K. L. Sen, M.B. (Cal.), F.R.C.S. (Edin.), D.O.M.S. (Lond.), was appointed Head of the Department in 1957. He continued to render valuable services in that capacity till the session of 1963-64, when Dr. N. K. Munsi took over the charge of the department as its Head. The department has progressed much under the guidance of Dr. Munsi since then.

### Present Teaching Staff :

#### University Teachers :

Dr. N. K. Munsi, M.B. (Cal.), D.O.M.S. (Lond.),—Head of the Department.  
 Prof. M. L. Pan, M.B., L.R.C.P., F.R.C.S.  
 Prof. P. K. Banerjee, M.Sc., M.B.B.S., D.Phil.  
 Dr. A. K. Maiti, M.Sc., M.B.B.S., D.Phil.  
 Dr. S. R. Dasgupta, M.B.B.S., D.Phil.  
 Dr. P. R. Roy, B.Sc., M.B.B.S., Ph.D. (St. Andrews)  
 Dr. N. C. Chakravarty, M.B.B.S., M.Sc. (Med.), D.Phil.  
 Dr. M. M. Mukherjee, M.B.B.S., M.Sc. (Med.)  
 Dr. A. K. Datta, M.B.B.S., M.Sc. (Med.)  
 Dr. M. Goswami, M.B.B.S., M.Sc.  
 Dr. B. Datta Chaudhuri, M.B.B.S., D.C.P., D.Phil.  
 Dr. A. Ghoshdastidar, M.B.B.S., M.Sc. (Med.)  
 Dr. S. Mukherjee, B.Sc., M.B.B.S., D.Phil., Ph.D. (Edin.)  
 Dr. S. Sikdar, M.B.B.S., M.D.  
 Dr. B. P. Mukherjee, M.B.B.S., M.Sc. (Med.)  
 Dr. N. M. Roy, M.B.B.S., M.D.  
 Dr. B. B. Roy, M.B. (Cal.)

#### Extra-mural Teachers :

Dr. P. N. Chaudhuri, M.B., D.O.M.S. (Lond.), D.O. (Oxon.), F.R.C.S. (Edin.)  
 Dr. B. K. Mitra, M.B., D.O.M.S. (Cal.)  
 Dr. I. S. Roy, M.B.B.S., D.O.M.S., D.O., F.R.C.S.  
 Dr. K. Saha, M.B., D.O. (Oxon.), D.O.M.S. (Lond.)  
 Dr. C. K. Biswas, M.B.B.S.  
 Dr. G. Mukherjee, M.B.B.S., D.O.M.S.  
 Dr. B. M. Chatterjee, M.B.B.S., D.O.M.S., D.O. (Lond.), F.R.C.S.  
 Dr. G. C. Sen, M.B.B.S., D.O.M.S.  
 Dr. P. M. Chaudhuri, M.B.B.S., D.O.M.S. (Lond.)  
 Dr. G. C. Banerjee, M.B.B.S., D.O. (Oxon.), D.O.M.S. (Lond.)  
 Maj. S. N. Sen, M.B.B.S., D.O.M.S. (Lond.), F.I.C.S.  
 Dr. P. C. Ghosh, M.B.B.S., D.O.M.S. (Lond.)  
 Dr. R. Mukherjee, M.B.B.S., D.O.M.S., M.S. (Lucknow)  
 Dr. N. Bose, M.B.B.S., D.O.M.S. (Lond.) M.S. (Lucknow)  
 Dr. M. Sengupta, M.B.B.S., D.O.M.S. (Lond.)



- Dr. B. Palchaudhuri, M.B.B.S., D.O.M.S., M.S. (Ophth.), Ph.D.  
 Dr. S. K. Biswas, M.B.B.S., D.O.M.S., D.O., F.R.C.S. (Edin. & Eng.)  
 Dr. P. R. Mandal, M.B.B.S., D.O.M.S., F.R.C.S. (Edin.)  
 Dr. A. K. Mukherjee, M.B.B.S., D.O.M.S. (Cal.)  
 Dr. P. K. Guha, M.B.B.S., D.O.M.S. (Lond.), F.S.M.F.  
 Dr. P. Bose, M.B., D.T.M. (On requisition)  
 Dr. P. G. Rakshit, M.Sc., M.B.B.S., Ph.D. (On requisition)

### Teaching of Diploma in Ophthalmic Medicine and Surgery—Part I

#### *Subjects taught :*

Physiology of Vision.

Mechanism of accommodation—Phakoscopy.

Biophysics of the eye and its optical consideration.

Neurophysiology of Vision—

- a) Visual pathways.
- b) Higher visual centres and their connection.
- c) Electrical potentials accompanying vision.

E.R.G.

Theories of Colour Vision.

Endocrines & Vitamins related to the Physiology of eye.

Retinal receptors and their functions. Changes in the retina after exposure to light.

Light reflex and accommodation reflex paths and effects of lesions.

Dark and light adaptation—contrast phenomenon and after-image.

Crystalline lens—its anchorage, its structure, changes due to age, development and anomalies.

Chambers and refractive media of the eye-ball.

Muscles of the eye-ball, extrinsic and intrinsic.

Movements of the eye-ball, binocular vision.

Retina.

Vascular supply, Nerve supply of the eye-ball, appendages of the eye-lid and conjunctiva.

Lacrimal apparatus with development and applied importance.

Intra-ocular tension—factors responsible for its maintenance.

The bony orbit—its related air sinuses and contents of the orbit.

The eye-ball—general considerations—anchorage of the eye-ball—factors concerned

Development of the eye—development anomalies.

The tunics of the eye-ball.

Drugs altering the size of the pupil and affecting accommodation.

Drugs lowering intraocular tension.

Local Anaesthetics.

Analgesics.

Anti-infective agents.

Corticosteroids.

Optics.

Physiology.

Anatomy.





### Teaching of Diploma in Ophthalmic Medicine and Surgery—Part II

Neuro-Ophthalmology, Intraocular Surgery.  
 (Retinal Detachment & others)  
 Optical defects, Surgery of Eye and Orbit.  
 Anomalies of ocular movements, Nystagmus & Squint.  
 Uveitis & Medical Ophthalmology.  
 Diseases of Lens.  
 Ocular Bacteriology & Pathology.  
 Injuries of the Eye including Industrial Ophthalmology.  
 Diseases of Optic Nerve & Vitreous.  
 Conjunctiva.  
 Diseases of Orbit.  
 Diseases of Cornea & Sclera.  
 Diseases of the ocular Adnexa.  
 Intraocular Parasites.  
 Practice and significance of Perimetry & Scotometry Ocular Hypertension.  
 Diseases of Retina & Macula.  
 Ophthalmic Medicine.  
 Diseases of Lacrimal apparatus.  
 Heredity in Ophthalmology, congenital.  
 Ocular & Orbital Implants Keratoplasty, Tissue Therapy, Ocular Pathology,  
 Uveal Inflammations.  
 Demonstration on Pathology & Bacteriology of the eye.

### Department of Child Health

Dr. K. C. Chaudhuri, M. B. (Cal.) was appointed Head of the Department at the time of its inception in 1957. He rendered service for about 5 to 6 years. On his retirement in 1963 Dr. S. N. Sen, M. B. (Cal.), F.R.C.P. (Edin.), F.S.M.F., took over the charge of the department as its Head and piloted its activities in teaching & research. Only recently Dr. Sen retired as Head of the Department and the vacancy is expected to be filled up in near future.

### Department of Cancer Research

The Department started functioning in 1957 under the supervision of Dr. S. Mitra, M.B. (Cal.), Dr. Med. (Berlin), F.R.C.S. (Edin.), F.R.C.O.G., F.A.C.S., F.N.I. who infused life into the departmental activities. Not only the department but University College of Medicine as a whole lost in him a dynamic academician in 1961 when Dr. A. K. Sen, M.B. (Cal.), D.P.H. (Lond.) F.R.C.S. (Eng.), the then Head of the Department of Surgery took over charge as Head of this Department also. Dr. Sen retired in June, 1968. The post remains vacant till now.

### Department of Orthopaedics

This department was one of those which started functioning since the inception of the University College of Medicine in 1957. Dr. K. C. Sarbadhikari, M.B., F.R.C.S. (Edin. & Eng.) was appointed Head of the Department in 1957 in which post he continued till 1960. The department was revitalised by the appointment of Dr. K. S. Bose, M.B., M.S. (Cal.) as the Head of the Department in 1968. The department has built up a Workshop in Goenka Hospital of the University College of Medicine for manufacturing artificial limbs and other Orthopaedic appliances. A team of 20 workers are at present engaged in the work. One Physiotherapy unit and one Clinical Pathology unit have also been annexed to the department. The out-patients section remains open on all weekdays.





Following **Research Scheme** has been undertaken by the department in recent years in addition to that conducted by the departmental research scholar :—

"Investigation of the Rehabilitation of orthopaedically disabled people, including studies of Biomechanical and Engineering aspects of Prosthetic and Orthotic devices."

### Department of Chest Surgery

Since 1957, the Department has been functioning under the guidance of Dr. A. K. BASU, M.B. (Cal.), F.R.C.S. (Eng.), F.A.C.S. as its Head.

Besides the teaching works, the department has undertaken the following **Research Scheme** in recent years in addition to that conducted by the Departmental Research Scholar :—

1. Research work on Hypothermia.
2. Research work on Extra-corporeal circulation.
3. Research work on Ventricular Septal defect.

### Department of Diseases of Chest

Dr. P. K. Sen, M.B. (Cal.), M.D. (Berlin), Ph.D. (Wales), T.D.D. (Wales), has been supervising the activities of the Department as its Head since 1957.

Besides the teaching works, the department has undertaken the following **Research Scheme** in the recent years :—

1. Toxicity study of Thiacetazone in pulmonary tuberculosis.
2. Comparative study of two minor anti-tuberculous drugs (Isoxyl & Ethionamide) in combination with Isoniazid in pulmonary tuberculosis.
3. Variation in isoniazid inactivation (acetylation) rate in patients of pulmonary tuberculosis under different drug regimen including isoniazid and its implications on the therapeutic response as a whole.
4. Research grant for toxicity study of INH, Thiacetazone with antihistaminics and Vitamins and also study of 'Diligan' with another group with 'Placebo'.
5. Base line value of liver function tests in the untreated tuberculous patients and in the normal persons.
6. Comparative study of streptomycin toxicity of thiacetazone or PAS as the companion drug in hospitalised patients.
7. Interpretation of Tuberculin Test results for diseases and infection at Medical College, Calcutta ; and Urban Health.
8. Character of pulmonary tuberculous disease in the urban and rural communities—at Medical College, Calcutta.
9. 'Morbidity Survey' and evaluation of some Epidemiological factors in pulmonary tuberculosis—at Urban Health Centre, Chetla, All India Institute of Hygiene and Public Health, Calcutta.

### Department of Neurology

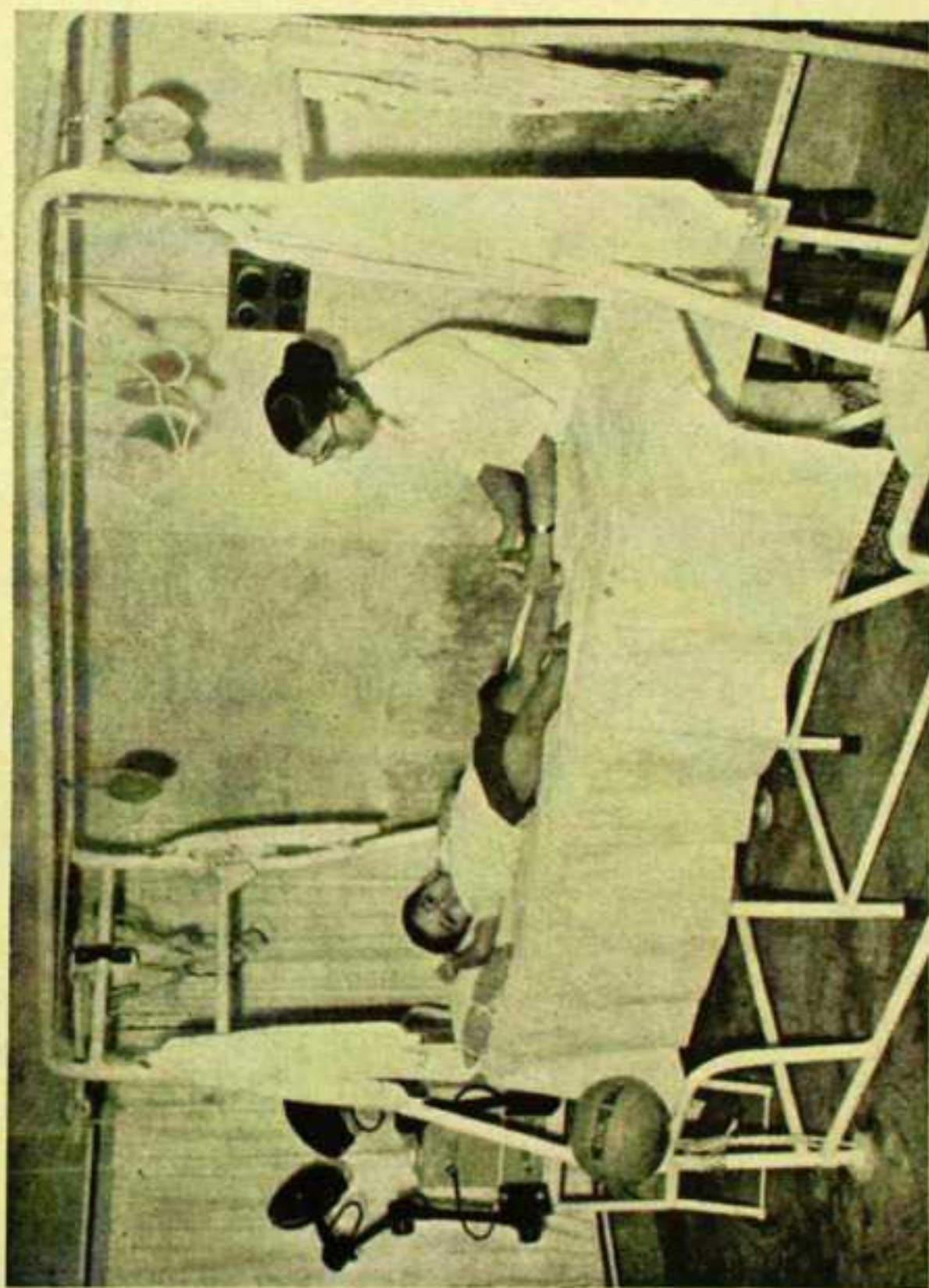
This department came into existence since the inception of the University College of Medicine in 1957 with Dr. N. De, M.B., M.R.C.P. (Edin.), D.P.M. as Head of the Department. Dr. De continued as the Head of this department till the middle of 1960 when he was called upon to act as Head of the Department of Psychological Medicine. After Dr. De joined the Department of Psychological Medicine, Dr. T. K. Ghosh M.D. (Cal.) took over





An orthopaedic patient under treatment.





The Physio-therapist of the Orthopaedic Department is treating a child patient.



the charge as Head of the Department of Neurology in which capacity Dr. Ghosh is still continuing.

Besides the teaching works, the department has undertaken the following **Research Scheme** in the recent years :—

1. Observation on Convulsive Seizure in children—200 cases. The study was specially directed to find out the possible etiological factors and their relation to different age of onset and correlation of specialised investigative procedures with the suggestive etiological factors of seizures.
2. E.E.G. changes in paroxysmal behaviour disorder.
3. E.E.G. changes in portal hypertension before and after portacaval shunt.
4. Follow up E.E.G. studies on controlled Epilepsy and uncontrolled Epilepsy.
5. P.E.G. changes in Hemiplegia.
6. Electromyography changes in Neuromuscular diseases.
7. Plethismographic studies in Hemiplegia.

#### **Department of Experimental Surgery**

This Department was started in 1957 with the objective of developing it as one of the units complimentary to the study of Basic Medical Sciences. It was located in the Institute of Post-Graduate Medical Education & Research since its inception in 1957 and functioned till the session 1965-66. As per recommendation of the U.G.C., the subject Experimental Surgery had to make room for the subject Biochemistry as one of the five subjects in the study of the Diploma in Basic Medical Sciences, besides Anatomy, Physiology, Pathology including Bacteriology and Pharmacology. Dr. S. R. Mukherjee, M.B., M.S., Ph.D. (Edin.), was Head of the Department till the session 1965-66.

- N.B.* The departments which do not have to conduct any Diploma or Degree Courses directly under their supervision are required to participate regularly in the teaching of their respective subject matter as included in the syllabi of various Post-Graduate courses including the lecture-seminar courses for M.D., M.S. and M.O. examinations under old regulations.





## Number of students admitted to and passed the different Degree and Diploma Courses since inception.

Name of the Course	1957-58	1958-59	1959-60	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	Remarks						
1. Diploma Course in Basic Medical Sciences.	A. P. 30	A. P. 30	A. P. 24	A. P. 25	A. P. 2	A. P. 13	A. P. 3	A. P. 21	A. P. 5	A. P. 11	A. P. 6	A. P. 12	A. P. 3	A. P. 26	A. P. 3	A. P. 40	A. P. 10	A. P. 40	A. P. 11
2. M.Sc. (Medical) in Anatomy.	—	*	—	—	—	—	5	—	5	3	4	—	1	5	2	3	—	—	*
3. M.Sc. (Medical) in Physiology.	—	—	—	—	—	—	4	—	2	—	—	2	6	3	4	—	—	3	1
4. M.Sc. (Medical) in Pharmacology.	—	—	—	—	—	—	4	—	—	—	2	3	—	—	2	2	—	—	*
5. M.Sc. (Medical) in Pathology including Bacteriology.	—	—	—	—	—	—	4	—	4	—	5	4	4	3	1	5	—	3	*
6. M.D. in Physiology	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	2
7. M.D. in Pharmacology	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	—	2
8. M.D. in Pathology including Bacteriology.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	—	1
9. M.S. in Anatomy	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—
10. Diploma Course in Medical Radiology and Electrolgy.	—	—	12	12	7	12	10	7	6	11	9	—	10	—	3	—	—	—	—
11. Diploma Course in Medical Radiology Diagnostic.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. Diploma Course in Medical Radiology Therapeutics.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	do

Separated into  
D.M.R.D./  
D.M.R.T.  
Courses.

Started from  
the session  
1964-65

do





13. Diploma Course in Dermatology.	in	—	—	—	—	10	7	10	9	10	8	10	10	12	7	13	9	15	10	15	9	12	12	12	7	
14. Diploma Course in Cardiology.	in	—	—	—	—	—	—	7	—	6	2	4	2	11	1	9	4	16	9	15	10	9	8	17	12	
15. Diploma Course in Psychological Medicine.	in	—	—	—	—	—	—	7	—	6	—	11	5	7	5	2	8	7	6	6	2	6	3	2	1	
16. Diploma Course in Oto-Rhino-Laryngology.	in	—	—	—	—	—	—	—	—	—	—	10	—	14	—	14	7	14	10	9	13	12	4	13	2	
17. Diploma Course in Anæsthesia.	in	—	—	—	—	—	—	—	—	—	—	—	—	14	—	—	—	25	11	12	15	13	15	10	12	
18. Diploma Course in Venereology.	in	—	—	—	—	—	—	—	—	—	—	—	—	8	—	—	—	9	7	5	9	2	5	3	—	
19. Diploma Course in Ophthalmic Medicine and Surgery.	in	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7	—	6	—	10	8	
20. M. D. in General Medicine		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10	†
21. M.S. in General Surgery		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10	†
22. M.S. in Obstetrics & Gynecology.		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10	†

A. indicates Admitted.  
P. indicates Passed.

\* Result not yet published.  
† Examination not held.

N.B.—As some unsuccessful students of previous years appeared in subsequent years, the list exhibits variation between admission and pass in some places.





## Research Works undertaken by Departmental Research Scholars in Different Departments of the University College of Medicine

Sl. No.	Name of the Research Scholar	Period of Research	Subject of Research
<b>DEPARTMENT OF ANATOMY :</b>			
1.	Sri Jitendranath Byabarta, M.B.B.S.	22.1.59 to 31.5.61	Comparative Study on Gall Bladder in vertebrates both Macroscopic and Microscopic.
2.	Sri Anadinath Banerjee, M.B.B.S.	2.1.63 to 2.1.65	Comparative Study of the Knee Joint in vertebrates.
3.	Sri Archana Bhattacharyya, M.Sc.	23.11.68—still continuing	Study of lipid Metabolic in the development and growth of vertebrate Brain.
<b>DEPARTMENT OF PHYSIOLOGY :</b>			
1.	Sri Ranjit Kr. Mukherjee, M.B.B.S.	1.7.59 to 28.2.60	(i) Analysis of respiratory gas, for its $\text{CO}_2$ and $\text{O}_2$ and $\text{N}_2$ contents.
2.	Sri. Reba Ghosal, M.B.B.S.	3.9.60 to 31.1.62	(ii) Analysis of blood gases, $\text{CO}_2$ and $\text{O}_2$ contents and percentage of saturations.
3.	Sri Ranjit Kumar Dutta, M.B.B.S.	1.2.63 to 9.12.64	Functions of Thyroid Gland in atherosclerosis & diabetes.
4.	Sri. Uma Seal, M.Sc.	5.5.65 to Nov. '67	Studies on Neuro-physiological aspects or Toxaemia of pregnancy.
5.	Sri. Chandana Basu, M.Sc.	Nov. '67 to 4.5.68	Studies on the Neuro-humors of the Cerebral Cortex under experimental excitation.
		23.7.68—still continuing	Pharmacological Analysis of the function of Fish-gut.
<b>DEPARTMENT OF PATHOLOGY INCLUDING BACTERIOLOGY :</b>			
1.	Sri Anil Kumar Ghosh, M.B.B.S.	1.6.60 to 31.10.61	Comparative study of suprarenal glands.
2.	Sri Bibhuti Bhuvan Baridhan, M.B.B.S.	2.4.63 to Oct. '63	Studies on the immunogenic factor of S. Typhi.
<b>DEPARTMENT OF PHARMACOLOGY :</b>			
1.	Sri Arun Kumar Ghosh, M.B.B.S.	16.11.61 to 30.6.62	Study of immuno-conglutinin in some diseases of unknown aetiology.
2.	Sri Madan Mohan Das, M.B.B.S.	1.8.62 to 31.7.63	Studies on the probable mode of 5 HT in the mode of central action of Reserpine.
3.	Sri Tarasankar Chandra, M.B.B.S.	23.9.65 to 22.9.66	Study of the central action of catechol amines.
4.	Sri. Malabika Sinha, M.B.B.S.	26.9.68—still continuing	Studies on Aspirin induced ulcer on guinea pig stomach.
<b>DEPARTMENT OF DERMATOLOGY :</b>			
1.	Sri Binoy Krishna Mudgal, M.B.B.S.	6.12.57 to 5.12.59	Study of the Pharmacological actions of Cureuma Longa.
			Study and analysis of Electrophoretic changes in serum Protein in some Dermatoses.





2. Sri Amiya Kumar Pain, M.B.B.S.	7.6.60 to 31.12.61	Role of Vitamin 'C' and Liver on Pigmentations with special references to chloasma and chloasma-like lesions.
3. Sri Ramakrishna Kundu, M.B.B.S.	1.4.63 to 28.2.65	Studies on Blood lipids in cases of Malnutrition with and without Dermatoses.
4. Sri Jagadish Chakraborty, M.B.B.S.	30.3.65 to 31.7.66	Study of incidence of various cutaneous diseases disorders, their grouping and sub-grouping.
	12.1.68—still continuing	Observation on a clinico therapeutic trial with a new topical Fungicidal Agent toluinate 1P.C. solution :—(Brand name in India—Tynaderm) on superficial Mycotic Infections of the skin.
<b>DEPARTMENT OF CHILD HEALTH :</b>		
1. Sri S. R. Ghosal, M.B.B.S.	14.3.62 to 30.4.63	Study of Electrophoretic pattern of Serum Protein in cirrhosis of the liver and in siblings of cirrhotics with precise clinical findings.
2. Sri Maus Kumar Sen, M.B.B.S.	5.4.65 to 31.1.67	Studies on electrolytic changes in acute gastroenteritis in infants & children.
<b>DEPARTMENT OF NEUROLOGY :</b>		
1. Sri Adhir Kr. Sarkar, M.B.B.S.	17.11.61 to 16.11.64	"E. E. G. changes in headache" and also "Clinical studies on hemiplegia" with special reference to skin temperature change."
2. Sri Brojogopal Ghosh, M.B.B.S.	18.8.66 to 17.8.68	Observation on Convulsive Seizure in children.
<b>DEPARTMENT OF CHEST SURGERY :</b>		
1. Sri Dilip Kr. Sengupta, M.B.B.S.	1.6.59 to 13.2.61	Haemodynamic alterations in cases of mitral stenosis before & after operation.
2. Sri Md. Ainsul Haq, M.B.B.S.	2.6.61 to 31.5.63	Cardiac pulmonary bypass of the Experimental animal with its application to the clinical cases.
3. Sri Sashi Bhushan Chakraborty, M.B.B.S.	1.4.66 to 18.3.68	Biochemical changes in Hypothermia.
<b>DEPARTMENT OF RADIOLOGY &amp; RADIOTHERAPEUTICS :</b>		
1. Sri Biswapati Chatterjee, M.B.B.S.	4.12.57 to 30.9.59	Spondylolithesis.
2. Sri Bholanath Banerjee, M.B.B.S.	1.6.60 to 30.10.61	Radiological Findings indicating age above 15 years in Female.
3. Sri Krishnanda Banerjee, M.B.B.S.	1.4.63 to 23.6.64	Radiological investigation for determination of age of Bengalee Females in connection of attainment of majority from inner end of clavicle.
4. Sri Sudhansu Das, M.B.B.S.	4.3.65 to 3.9.66	Role of Mammography in detection of Malignant tumour and its correlations with findings of other workers.
5. Sri Nityananda Karimakar, M.B.B.S.	29.9.66 to 28.9.67	Ossification and union of epiphyses in Indian subjects and influences of various factors.





Sl. No.	Name of the Research Scholar	Period of Research	Subject of Research
<b>DEPARTMENT OF CANCER RESEARCH :</b>			
1.	Sri Manasaram Ghosh, M.B.B.S.	1.6.60 to 31.5.62	A study of incidence of carcinoma of the cervix of the uterus & the body of the uterus amongst unsuspected cases.
2.	Sri Ananya Prasad Marumdar, M.B.B.S.	2.1.63 to 30.11.63	Alkaline Phosphates actively in normal, precancerous & Neoplastic condition of the mucous membrane of the cheek.
3.	Sri Jayanta Kr. Tagore, M.B.B.S.	5.1.65 to 4.1.68	Clinico Pathological study of carcinoma penis with pelvic metastasis.
<b>DEPARTMENT OF DISEASES OF CHEST :</b>			
1.	Sri Subal Kargupta, M.B.B.S.	June, '59 to May, '60	Evaluation of ambulatory treatment of pulmonary tuberculosis with special reference to work & irregularities in the self-administration of drugs.
2.	Sri Himangshu Bagchi, M.B.B.S.	4.4.63 to 3.10.64	Study of regularities & irregularities of drug regime with its clinical assessment in ambulatory cases of pulmonary tuberculosis.
<b>DEPARTMENT OF OPHTHALMOLOGY :</b>			
1.	Sri Manas Bandhu Talukdar, M.B.B.S.	1.6.59 to 31.5.60	Histochemical Studies of Pterygium.
2.	Sri. Amita De, M.B.B.S.	2.1.63 to 1.1.63	Incidence of Convergence insufficiency & role of orthoptics in its management.
<b>DEPARTMENT OF GENERAL MEDICINE :</b>			
1.	Sri Arup Kr. Chowdhury, M.B.B.S.	3.1.63 to 31.1.64	Studies in Cardiovascular diseases during last 15 years (1947 to 1962) epidemiological & clinical aspects.
2.	Sri Arabinda Kousar, M.B.B.S.	1.10.66 to 30.9.67	Studies on Ascites.
<b>DEPARTMENT OF CARDIOLOGY :</b>			
1.	Sri Prasanta Kr. Dutta, M.B.B.S.	1.6.59 to 31.5.60	Viscero-Vascular reflexes in relation to peroxysmal hypertension.
<b>DEPARTMENT OF GENERAL SURGERY :</b>			
1.	Sri Debnarayan Mukherjee, M.B.B.S.	5.4.63 to 4.4.66	Estimation of pepsinogen level in blood in peptic ulcer patients and its significance.
2.	Sri Abhoy Kr. Sircar, M.B.B.S.	5.4.66 to 4.4.67	Post-operative studies of gastric pepsin concentration for assessing whether vagotomy has been complete in the treatment of chronic-duodenal ulcer.





## DEPARTMENT OF PSYCHOLOGICAL MEDICINE :

1. Sri Anadinath Ghoshal, M.B.B.S.

## DEPARTMENT OF OBSTETRICS &amp; GYNAECOLOGY :

1. Sri Suruchi Kr. Ballav, M.B.B.S.
2. Sm. Aparna Bhattacharyya, M.B.B.S.
3. Sri Sunil Kr. Chaudhuri, M.B.B.S.
4. Sri Gouri Pada Dutta, M.B.B.S.
5. Sm. Chhaya Bardhan, M.B.B.S.

## DEPARTMENT OF ORTHOPAEDICS :

1. Sri Bimalendu Sircar, M.B.B.S.
2. Sri Suniti Kr. Chakraborty, M.B.B.S.

6.1.55 to 5.1.61

Influence of heredity as a cause for mental disease.

4.12.57 to 5.12.59

Cytological detection of endometrial carcinoma amongst unsuspected elderly women.

2.1.60 to 1.1.62

Correlations between the vaginal cytology &amp; the urinary oestrogens in carcinoma cervix.

14.7.62 to 30.11.62

Study of cellular functions of the endometrium in functional uterine haemorrhage.

9.4.65 to 31.1.67

Studies on serum folic acid in pregnancy.

13.9.67—still continuing

Diagnosis and management of ovulatory disorders in the human female.

16.1.59 to 31.5.61

Treatment of tuberculosis, abscesses &amp; sinuses with isonicotinic acid hydrazide.

1.6.68—still continuing

Study on osteoarticular tuberculosis. Evaluation of Domiciliary treatment with antibiotics and orthotic appliances.





## Library Facilities

Elaborate library facilities are essential pre-requisites for study of any discipline of science at the post-graduate level, without which training and research work may often face stagnancy. To keep pace with the tremendous dynamic progress of medical science in modern age, the imperative need for up-to-date and well-knit library units in a Post-Graduate Medical College like that of ours was very much in the minds of the authorities from the beginning and due attention was paid to this end. In the face of initial financial handicaps including lack of proper accommodation and personnel, efforts were continued to annex a separate section in the Central Library for medical sciences. Primarily starting with the subscription of a limited number of journals, mainly related to basic medical sciences, the library section was gradually enriched with the acquisition of text and reference books related to basic as well as clinical medical subjects in course of three to four years. In the year 1966 when the centralisation of the different departments of basic medical sciences was possible with the completion of the construction of the building of the Institute of Basic Medical Sciences, departmental libraries in each of the departments of the Institute were started. These developments, although chequered, continued to progress up to 1967 when University Grants Commission came forward with an assurance of a lump-sum financial grant towards purchasing of books on basic medical subjects—this aid was found instrumental in accomplishing quick development of the departmental libraries. At present, however, these departmental libraries at the Institute of Basic Medical Sciences are found to be of immense help to Post-Graduate students, teaching staff and research scholars pertaining to their study of Anatomy, Physiology, Pathology, Bacteriology, Parasitology, Immunology, Haematology, Histology, Histochemistry, Pharmacology etc. In addition, considerable number of standard journals are being annually subscribed in departments of the Institute. A Reprint Library has also been developed in each of the departments of the Institute and this section has proved to be of immense benefit to the advanced researchers. A scheme is now under active consideration of the University authority to make provision for each of the teachers in the five departments of the Institute of Basic Medical Sciences with library facilities exclusively for their individual use in carrying out their day-to-day research and teaching curriculum. This proposed arrangement, when materialised, would extend further facilities in addition to the existing ones available at the departmental libraries.

With the opening of the Goenka Hospital in 1967 establishment of one more library, specially for extending facilities to the post-graduate teachers, students and scholars in the various disciplines of clinical medicine, was sponsored. With the continued efforts for its development, it has now been possible to make a humble start. This library has been strengthened with a number of books and journals received as donation from some teachers of the University College of Medicine as well as from some organisations like Ciba Foundation, I.C.M.R. etc.

At present the library sections of the University College of Medicine has a collection of more than 1000 books on basic medical subject and clinical subjects like Radiology, Anaesthesiology, Medicine, Surgery, Obstetrics, Gynaecology, Cardiology, Psychological Medicine, Dermatology, Venereology, Ophthalmology etc. More than 30 journals are being annually subscribed, some of which are obtained in exchange of our own journal "the Bulletin of the University College of Medicine".

The authorities of the University College of Medicine are well aware of the vital need for extending more library facilities to cope with the ever-increasing demand of Post-Graduate students, research scholars and teachers in the divergent spectra of the medical science.





## Bulletin

The first issue of the Bulletin of the University College of Medicine was published in September, 1963. Two issues of the Bulletin are published annually from the Calcutta University Press. So far nine issues have been published. The Bulletin contains papers and contributions exclusively from the teaching staff and research workers of the different departments of the University College of Medicine. Some of the Internationally recognised organisations for bibliographical reference publications—such as "Excerpta Medica", "Biological Abstracts" have highly appreciated the Bulletin and have expressed their desire to have a copy of our Bulletin regularly for making abstracts and include it in their reference index.

So far 56 papers have been contributed in the Bulletin from different departments of the University College of Medicine.

The publication of the Bulletin was vested in the Editorial Board consisting of the following members :

1. Dr. S. N. Sen, M.B., F.R.C.P. (Elin.), F.S.M.F.—*Chairman*.
2. Dr. J. C. Gupta, M.B. (Cal.), M.D. (Cologne)
3. Dr. H. K. Chatterjee, M.B. (Cal.), D.A.E. (Paris)
4. Dr. A. K. Maiti, M.Sc., M.B.B.S., D.Phil.
5. Dr. J. C. Banerjee, M.B. (Cal.), M.R.C.S. (Eng.), F.R.C.P. (Lond.)
6. Dr. A. K. Sen, M.B. (Cal.), D.P.H. (Lond.), F.R.C.S. (Eng.)
7. Dr. P. K. Banerjee, M.Sc., M.B.B.S., D.Phil.—*Secretary*

### Papers published in the Bulletin of the University College of Medicine

#### *Department of Anatomy:*

"Newer Findings on Formation of Lacrimal Canaliculi and Sacs"—by Dr. H. K. Chatterjee (Bull. of U. C. M., Vol. I, No. I).

"Conjunctival Fornix—a Determinator of Ocular Mobility"—by Dr. H. K. Chatterjee (Bull. of U. C. M., Vol. I, No. II).

"Studies on the Thyroid Gland in Dogs and Cats"—by Dr. N. C. Chakraborti (Bull. of U. C. M., Vol. I, No. II).

"A Study of Thyroid Gland in Hemidactylus (House-Lizards)"—by Dr. N. C. Chakraborti (Bull. of U. C. M., Vol. II, No. I).

"Anomalous Thyroid Gland"—by Dr. N. C. Chakraborti (Bull. of U. C. M., Vol. II, No. II).

"Studies on the Histological Structure of Thyroid Gland with PAS Technique"—by Dr. N. C. Chakraborti (Bull. of U. C. M., Vol. III, No. II).

"Radiological Studies of the Lumbosacral Segment on the Vertebral Column"—by Dr. N. C. Chakraborti and Dr. K. S. Banerjee (Bull. of U. C. M., Vol. IV, No. I).

#### *Department of Physiology:*

"Human Experimentation in Medical Science"—by Dr. P. K. Banerjee (Bull. of U. C. M., Vol. I, No. I).





"Posthypercapnic Potentiation of Cardiac Force and Output"—by Dr. B. Datta-chaudhuri and Dr. A. K. Maiti (Bull. of U. C. M., Vol. I, No. I).

"Conquest of the Cosmos & its Physiological Studies"—by Dr. P. K. Banerjee (Bull. of U. C. M., Vol. I, No. II).

"Anaesthetic Action of Clove Oil on Teleost Fish"—by Dr. A. K. Maiti and Dr. M. Goswami (Bull. of U. C. M., Vol. I, No. II).

"Electrophoretic Analysis of Serum Proteins in Eclamptic Toxaemia of Pregnancy"—by Dr. A. K. Maiti and Dr. R. K. Datta (Bull. of U. C. M., Vol. II, No. I).

"The Onward march of Endocrinology" (An outline of historical retrospect) — by Dr. P. K. Banerjee (Bull. of U. C. M., Vol. II, No. I).

"Some Observations on the Blood-Pressure of the College Students in West Bengal"—by Dr. P. K. Banerjee (Bull. of U. C. M., Vol. II, No. II).

"Facile Gases and Cold Numbness in Vitiligo"—by Dr. A. K. Maiti, Dr. B. N. Banerjee & Dr. A. K. Datta (Bull. of U. C. M., Vol. II, No. II).

"Height, Weight and the Ponderal Index of the Students in West Bengal"—by Dr. P. K. Banerjee (Bull. of U. C. M., Vol. III, No. I).

"Changes of Fatiguability of Denervated Skeletal Muscle of Toad"—by Dr. A. K. Maiti and Dr. S. R. Dasgupta (Bull. of U. C. M., Vol. III, No. II).

"An Outline of Historical Review of Vitamins"—by Dr. P. K. Banerjee (Bull. of U. C. M., Vol. III, No. II).

"An Outline of the Historical Review of Cardiovascular Physiology"—by Dr. P. K. Banerjee (Bull. of U. C. M., Vol. IV, No. I).

#### *Department of Pharmacology:*

"Study of the effect of 5-Hydroxytryptophan (5-HTP) on Oestrus Cycle of Rats"—by Dr. S. R. Dasgupta, Dr. R. C. Mazumdar and Dr. A. K. Ghosh (Bull. of U. C. M., Vol. I, No. I).

"A Study of the effect of Noradrenaline on Oestrus Cycle of Rats"—by Dr. S. R. Dasgupta and Dr. M. M. Das (Bull. of U. C. M. Vol. I, No. II).

"Studies on 5-Hydroxytryptamine (5-HT) in Amniotic Fluid in normal Pregnancy and Toxaemia of Pregnancy" (Preliminary report)—by Dr. S. R. Dasgupta, Dr. B. Chandra and Dr. K. Dasgupta (Bull. of U. C. M., Vol. II, No. II).

"The Study of the effects of Diazepam (Valium) on the Arjinal Uterus" (Studies on Rat Uterus)—by Dr. S. R. Dasgupta and Dr. B. P. Mukherjee (Bull. of U. C. M., Vol. III, No. I).

"The Effect of Clonidine (Librium) on Antidiuresis produced by Nectine in Rats"—By Dr. S. R. Dasgupta, and Dr. S. Sikdar (Bull. of U. C. M., Vol. III, No. I).

"Study on Anti-Acetylcholine actions of Anti-Histaminic Agents"—by Dr. S. R. Dasgupta, Dr. N. M. Roy and Dr. B. P. Mukherjee (Bull. of U. C. M., Vol. III, No. II).

"Studies on Aspirin-induced Ulcers in Guineapig Stomach"—by Dr. S. R. Dasgupta, Dr. B. P. Mukherjee and Dr. T. Chandra (Bull. of U. C. M., Vol. III, No. II).

"The Study of the Antispasmodic effects of extract of Animal Origin" (A Preliminary report)—by Dr. S. R. Dasgupta, Dr. S. Sikdar and Dr. N. M. Roy (Bull. of U. C. M., Vol. IV, No. I).





"A Study on the probable relationship between the Antimuscarinic and Antihistaminic Actions of Anti-Histaminic Agents with their Sedative Effects"—by Dr. N. M. Ray and Dr. S. R. Dasgupta (Bull. of U. C. M., Vol. IV, No. I).

*Department of Pathology Including Bacteriology :*

"Role of Cytology in Detection of Early Uterine Cervical Malignancy amongst unsuspected cases"—by Dr. R. Datta Chaudhuri (Bull. of U. C. M., Vol. I, No. I).

"Immuno-Conglutinin in Human Ascariasis" (A Preliminary report)—by Dr. S. K. Mitra and Dr. N. Roy (Bull. of U. C. M., Vol. I, No. II).

"Immuno-Conglutinin in Psoriasis"—by Dr. S. K. Mitra, Dr. N. Roy and Dr. B. Baridhan (Bull. of U. C. M., Vol. II, No. II).

"Study of Proteinuria in Nephrotic Syndrome by paper Electrophoresis"—by Dr. S. K. Mitra, Dr. P. C. Chatterjee, Dr. N. K. Mitra and Dr. B. Chaudhuri (Bull. of U. C. M., Vol. IV, No. I).

*Department of Child Health :*

"Progress of Medical Research in our country"—by Dr. S. N. Sen (Bull. of U. C. M., Vol. I, No. II).

"Integrated Medical Teaching"—by Dr. S. N. Sen (Bull. of U. C. M., Vol. II, No. I).

"Importance of Post-Mortem Examination : Human Tissue and Anatomy Acts"—by Dr. S. N. Sen (Bull. of U. C. M., Vol. II, No. II).

"Undergraduate Medical Training : Its objective—Basic Training not Specialisation"—by Dr. S. N. Sen (Bull. of U. C. M., Vol. III, No. I).

"Recent Advances in Thyroid Physiology and Medicine"—by Dr. S. N. Sen (Bull. of U. C. M., Vol. III, No. II).

"Studies on Electrolytic changes in acute Gastroenteritis in infants and children"—by Dr. S. N. Sen and Dr. M. K. Sen (Bull. of U. C. M., Vol. IV, No. I).

*Department of Dermatology :*

"Histological Studies of Liver Conditions by Needle Biopsy and Electrophoretic Study of Proteins in Serum and Bulla Fluid in Pemphigus cases"—by Dr. B. N. Banerjee and Dr. B. K. Mudgil (Bull. of U. C. M., Vol. I, No. I).

"Studies on Blood Lipids in Kwashiorkor"—by Dr. B. N. Banerjee (and Dr. R. K. Kundu (Bull. of U. C. M., Vol. II, No. I).

*Department of Radiology & Radiotherapeutics :*

"Study on age estimation of Bengalee girls near the age of 18"—by Dr. S. Mukerji (Bull. of U. C. M., Vol. I, No. I).

*Department of Psychological Medicine :*

"Psychiatric aspect of Ligation Operation"—by Dr. N. De (Bull. of U. C. M., Vol. I, No. I).



*Department of Cardiology:*

"Mitral Incompetence with Saddle Embolism"—by Dr. S. K. Sen, Dr. H. Misra and Dr. S. Basu (Bull. of U. C. M., Vol. I, No. II).

"Total azygos as pulmonary venous drainage"—by Dr. S. K. Sen and Dr. P. K. Bhattacharya (Bull. of U. C. M., Vol. II, No. I).

*Department of Chest Surgery:*

"Use of Balloon-tipped Catheter in the Diagnosis of Atrial Septal Defect"—by Dr. B. N. Guha Roy, Dr. C. Banerjee and Dr. A. K. Basu (Bull. of U. C. M., Vol. I, No. I).

*Department of Neurology:*

"Electroencephalographic changes in Recurring Episodes of prolonged Disorders of Behaviour"—by Dr. T. K. Ghosh (Bull. of U. C. M., Vol. I, No. I).

"Observations on 125 cases of Muscular Dystrophy"—by Dr. T. K. Ghosh (Bull. of U. C. M., Vol. I, No. II).

"Observation on Polymyositis with special reference to Electromyographic changes"—by Dr. T. K. Ghosh (Bull. of U. C. M., Vol. II, No. I).

"Observation of Clinical Features Myasthenia Gravis"—by Dr. T. K. Ghosh (Bull. of U. C. M., Vol. II, No. II).

"Observation on 100 cases of Neuritis"—by Dr. T. K. Ghosh (Bull. of U. C. M., Vol. III, No. I).

"Observation on paraplegia based on study of 100 cases"—by Dr. T. K. Ghosh (Bull. of U. C. M., Vol. III, No. II).

"Observations on Hemiplegia"—by Dr. T. K. Ghosh (Bull. of U. C. M., Vol. IV, No. I).

*Department of General Medicine*

"Observations on Ascites"—by Dr. J. C. Banerjee and Dr. A. Konar (Bull. of U. C. M., Vol. IV, No. I).

*Department of General Surgery:*

"Assessment of the Clotting Efficiency of Blood in Thrombo Angitis Obliterans Cases"—by Dr. A. K. Sen, and Dr. A. K. Chakraborty (Bull. of U. C. M., Vol. II, No. II).

"Biochemical changes in Buerger's Disease"—by Dr. A. K. Sen and Dr. A. K. Chakraborty (Bull. of U. C. M., Vol. III, No. I).





### Scientific Publications in other Journals

#### *Department of Anatomy:*

"Comparative studies on thyroid—a paired or unpaired feature of the Gland"—by Dr. N. C. Chakraborti (Cal. Med. J., Vol. 61, 1964).

"Ontogenic changes in the brain of gallus domesticus"—by Dr. P. R. Roy (J. Expt. Med. Sc. 7, 93, 1964).

"Evolution of Fore-brain, Mid-brain and Hind-brain in the vertebrate phylogeny"—by Dr. P. R. Roy (J. Expt. Med. Sc., 8, 65, 1964).

"Evolution of mammalian tectum in the vertebrate phylogeny: A morphological observation"—by Dr. P. R. Roy. (J. Expt. Med. Sc., 9, 1, 1965).

"Congenital anomalies of the heart and its great vessels in a new-born baby dying two days after birth: A morphological observation and functional analysis"—by Dr. P. R. Roy (Indian Heart Journal, 19, 57, 1967).

#### *Department of Physiology:*

"Post-graduate Medical Education in our province"—by Dr. P. K. Banerjee (J. of the Alumni Assn. C.N.M.I. Vol. 2)

"Electrolyte exchange"—by Dr. P. K. Banerjee (Vol. 2, No. 1, Sept., 1957, C.N.M.I. Magazine).

"Blood Urea acid and chloride in 30 cases of Pneumonia"—by Dr. P. K. Banerjee (I.M.J., Vol. 40, No. 4, 1957).

"Asian Conference on student Health"—by Dr. P. K. Banerjee (I.M.J., Vol. 61, No. 4, April, 1967).

"Effects of Anaesthetic concentrations of Carbon dioxide on the Amygdale and neuronally isolated cerebral cortex"—by Dr. A. K. Maiti and Edward F. Demiro, M.D. (J. of Neuropsychiat, Vol. 5, No. 6, 1964).

"Cardiac Arrhythmias induced by hypercapnia"—by Dr. B. Datta-Chaudhuri and Dr. A. K. Maiti (Cal. Med. J., 1965, Vol. 62, No. 8).

"Comparative studies on the structural variations of vertebrate skeletal myoneural junctions"—by Dr. S. R. Dasgupta, Dr. A. K. Maiti, Dr. P. B. Sen and Dr. B. Datta-Chaudhuri (J. Expt. Med. Sc., Vol. 8, No. 3, December, 1964).

"On the mechanism of sensitization to adrenaline by Nicotine"—by Dr. A. K. Maiti and Sm. Ila Chakraborty (Brain News, 1965).

"Contraction kinetics of denervated skeletal muscle of toad"—by Dr. A. K. Maiti and Dr. S. R. Dasgupta (J. Expt. Med. Sc., 1966).

"Potentiations of epinephrine on isolated vas deferens of rat by nicotine"—by Dr. A. K. Maiti and Sm. Ila Chakraborty (Brain News, 1965, November).

"Cardiac arrhythmias induced by hypercapnia"—by Dr. A. K. Maiti and Dr. B. Datta-Chaudhuri (Cal. Med. J., March, 1966).

"Development of mirror foci on the cerebral cortex by topical metrazol"—by Dr. A. K. Maiti (J. Expt. Med. Sc., 1963, April).

"Cardiac arrhythmias during and after hypercapnia"—by Dr. A. K. Maiti and Dr. B. Datta-Chaudhuri (Ind. J. Physiol. & Allied Sc., 1963).





"Adrenaline pressor response potentiation by Nicotine"—by Dr. A. K. Maiti and Sm. Ha Basu (Jour. Exp. Med. Sc., Jan., 1963).

"Alteration of carotid occlusion responses during convulsive seizure"—by Dr. A. K. Maiti, Dr. B. Datta Chaudhuri and Dr. A. Ghoshdastidar (Science and Culture : 33, 292-294, 1967).

"Sensitization of striated muscles to acetylcholine and potassium by penicillin"—by Dr. A. K. Maiti and Sm. Debjani Sarkar, (Jour. Ind. Med. Association : 48, 583-585, 1967.)

"Functional reorganization of the striated muscles after loss of nervous control"—by Dr. A. K. Maiti and Dr. S. R. Dasgupta (Brain News, 1967).

"Changes in sarcoplasmic reticulum of striated muscles following denervation"—by Dr. S. R. Dasgupta and Dr. A. K. Maiti (Ind. J. Expt. Biol. 1967).

"Chronic experimental epilepsy in cat by intracortical application of penicillin"—by Dr. A. K. Maiti, Dr. B. Datta Chaudhuri and Dr. M. Goswami (Science and Culture : 33, 1967).

"Biophysical studies of the denervated skeletal muscles"—by Dr. A. K. Maiti and Dr. S. R. Dasgupta (J. Expt. Med. Sc. 1967).

#### *Department of Pharmacology :*

"Central actions of Chlorpromazine"—by Dr. S. R. Dasgupta (Ind. J. Physiol. & Pharmacol. 1961, 5, 1).

"The History of a neuroplegic agent, Chlorpromazine (CPZ)"—by Dr. S. R. Dasgupta (Cal. Nat. Med. Inst., Annual, 1961).

"A study of the effect of Reserpine (Serpasil) on lymphocytopenia of stress in rabbits"—by Dr. S. R. Dasgupta and Dr. R. C. Mazumdar (Arch. Int. Pharmacodyn. 1962, 138, 120).

"Study of the effects of Chlordiazepoxide (Librium) on Lymphocytopenia and Eosinopenia of Stress in Rabbits (Preliminary report)"—by Dr. S. R. Dasgupta (Brain News, 2 (4) : 14, 1965).

"Monoamine Oxidase Inhibitors"—by Dr. S. Sikdar (R. G. Kar Med. Coll. Magazine, 34 : 33, 1965).

"Chemotherapeutic approaches to the problem of atherosclerosis"—by Dr. B. P. Mukherjee (R. G. Kar Med. Coll. Magazine, 34 : 17, 1965).

"Re-orientation of Under-graduate and Post-graduate Medical Education"—by Dr. S. R. Dasgupta (Indian Journal of Medical Education, 5/1, 42, 1965).

"Effect of Chlordiazepoxide on Stomach ulcers in rabbit induced by stress"—by Dr. S. R. Dasgupta and Dr. B. P. Mukherjee (Nature, 215 (5106) : 1183, 1967).

"Benzodiazepines as antistress agents"—by Dr. S. R. Dasgupta and Dr. B. P. Mukherjee (I. J. Physiol. & Pharmacol., 12(2) : P 43, 1968).

"Studies on the actions of 1, 4, Benzodiazepine derivatives on the animal uterus (Studies on rat uterus)"—by Dr. B. P. Mukherjee, Dr. S. R. Dasgupta and Dr. N. M. Ray—(I. J. Physiol. & Pharmacol., 11 (2) : P 2, 1967).

"A study on the effect of chlordiazepoxide on stress ulcers in rat stomach"—by Dr. S. R. Dasgupta and Dr. B. P. Mukherjee (Brain News, 4 (1) : 11-14, 1967).



*Department of Pathology Including Bacteriology:*

"Arthropod-borne viruses in India"—by Dr. P. C. Chatterjee, (Med. Sc. and Service, Vol. I, No. 10, page 19, 1965).

"Haemoglobinopathies in India"—by Dr. P. C. Chatterjee (Med. Sc. and Service, Vol. II, Page 15, 1965).

"Changing ratio of Cervical to Corpus Carcinoma of the Uterus"—by Dr. R. Datta-chaudhuri (Bull. of G. G. H. and C.N.G.R.C. (1964), Vol. 3, July, 23).

"Mesodermal mixed tumours of the female genital tract (1964)"—by Dr. R. Datta-chaudhuri (J. Obst., Gynae. Ind., Vol. XIV, 914).

"Islet cell tumours of the pancreas (1965)"—by Dr. R. Datta-chaudhuri (J.I.M.A., Vol. 44, 146).

*Department of Dermatology:*

"Dermatology, a guide to many internal diseases"—by Dr. B. N. Banerjee (I. G. D. Vol. II, 4 : 105, 1966).

"Dermatosis in deficiency states in the tropics"—By Dr. B. N. Banerjee (Dermatologia Internationalis Vol. 5, No. 1, 23 1966).

"Clinical evaluation of Vitamin 'A' with griseofulvin in the treatment of mycotic infection of the skin"—by Dr. B. N. Banerjee (Indian J. Dermat. 14.1.1968).

"A general discussion on contact Dermatitis"—by Dr. J. Chakravorty (Calcutta Medical Journal, Vol. 65, No. 5, May, '68).

"Adrenergic Focal Sweating"—by Dr. A. K. Datta (AMA Arch. Derm—95 : 642, 1967).

*Department of Psychological Medicine:*

"Mental effects of Ligation and other Sterilisation Operations"—by Dr. N. De (J. of Ind. Med. Asso., Vol. 36, No. 3, Feb. 1961).

"Neuro-Psychiatric Manifestations with Chr. Amoebic Hepatitis"—by Dr. C. C. Saha (Indian Medical Forum).

*Department of Chest Surgery:*

"Long term results of follow up of operated cases of Atrial Septal Defect"—by Dr. A. K. Basu (Quart. J. Surg. Sc., Dec. 67).

*Department of Neurology:*

"Observation on convulsive seizure (1) with reference to age of onset and family history"—by Dr. T. K. Ghosh and Dr. R. C. Ghosh (Bull. of I. P. G. M. E. & R., Vol. VII, No. 3, July, '65).

"Observation on Convulsive seizure with reference to EEG pattern and aura"—by Dr. T. K. Ghosh and Dr. R. C. Ghosh (Bull. of I.P.G.M. E. & R.).

*Department of Disease of Chest:*

"The problems of Tuberculosis in India"—by Dr. P. K. Sen (Indian Red Cross Journal, Calcutta—1961).

"Influence of rest, movement and work in Tuberculosis"—by Dr. P. K. Sen (Indian Journal of Tuberculosis—1961).



*Department of Obstetrics & Gynaecology :*

"Diagnosis of Tubal pregnancy—based on 310 cases"—by Dr. D. L. Poddar (Journal of Obst. & Gynaec., India—Vol. XVIII, No. 3, June, 1968).

*Department of Biochemistry :*

"Study of serum alkaline phosphatases in human being under general anaesthesia"—by Dr. A. Ghosh and Dr. A. K. Maiti (J. Expt. Med. Sc. 1968).

**Paper Read and/or Abstracts Published***Department of Anatomy :*

Following papers were presented at the Eleventh Annual Conference of the Anatomical Society of India held at Jaipur, December, 1961.

- (a) "Amphibian Choledochiasis"—by Dr. H. K. Chatterjee and Dr. J. Byabarta.
- (b) "Studies on reptilian thyroid"—by Dr. N. G. Chakrabarti.

*Department of Physiology :*

"Effects of high concentration of carbon dioxide on the lobster cardiac ganglia"—by Dr. A. K. Maiti and Dr. H. D. Calhoun (Abstracted in the Proc. Ind. Sc. Congress, 1963).

"Effect of Penicillin on the neurons of insect"—by Sm. Debjani Sarkar and Dr. A. K. Maiti (Proc. Ind. Sc. Cong. 1967, III, 593).

"Histochemical studies on phosphatases in chronic neuronally isolated cerebral cortex of cat"—by Sm. P. Ganguly and Dr. A. K. Maiti (Proc. Ind. Sc. Cong. 1967, III, 573.)

"Caffeine and brain acetylcholine"—by Dr. A. K. Maiti and Sm. Uma Seal (Proc. Ind. Sc. Cong. 1967, III, 574).

"Histomorphological observations on cerebellar cortex in chronic epileptic cats"—by Sm. Arati Biswas and Dr. A. K. Maiti (Proc. Ind. Sc. Cong. 1967, III, 575).

"Responses of mesenteric vasculature to adrenaline after nicotineization"—by Dr. Ila Chakrabarti and Dr. A. K. Maiti (Proc. Ind. Sc. Cong. 1967, III, 593).

"Cardiac responses of fresh water teleost fishes to air exposure"—by Dr. A. K. Maiti and Dr. A. Das (Proc. Ind. Sc. Cong. 1967, III, 590).

"Catecholamine on drug-receptor combination"—by Dr. A. K. Maiti (Symposium article : Ind. Sc. Cong. 1967).

"The invitro action of penicillin on smooth muscles"—by Dr. A. K. Maiti, Sm. Uma Seal and Sm. Debjani Sarkar (Calcutta Medical College Journal Re-Union, 1967).

"A new technic for bioassay of acetylcholine and serotonin with fish gut"—by Dr. A. K. Maiti and Sm. Uma Seal (Med. Coll. Jr. Re-Union, 1967).

"Effect of cobra venom on the electrical activity of the neuronally isolated cerebral cortex"—by Dr. A. K. Maiti and Dr. A. Ghoshdastidar (Golden Jubilee Celebration, R. G. Kar Medical College, 1967).

"Histomorphology of pedal muscles of gastropod"—by Dr. M. Palit (Proc. Ind. Sc. Cong., 1968, III).

"Epinephrine pressor responses in cat under experimental excitation"—by Dr. B. Dattachaudhuri (Proc. Ind. Sc. Cong. 1968, III).





"Studies on the innervation pattern and activities of pedal muscles of gastropod molluscs"—by Dr. M. Palit (Proc. Ind. Sc. Cong. 1967, III).

*Department of Pharmacology :*

"A study of the action of Reserpine (Serpasil) on the hypothalamus"—by Dr. S. R. Dasgupta and Dr. R. C. Mazumdar (Proc. Ind. Sc. Cong., 49th Session, 1961).

"A study of the effects of Iproniazid (Mersalil) on the oestrous cycle of rat"—by Dr. S. R. Dasgupta, Dr. R. C. Mazumdar and Dr. A. K. Ghosh—(Proc. Ind. Sc. Cong., Golden Jubilee Session, 1963).

"A study of the effects of an Indigenous plant extract on some animal behaviour"—by Dr. S. R. Dasgupta, Dr. R. C. Mazumdar and Dr. M. M. Das (Proc. Ind. Sc. Cong., 51st Session).

"A study of the effects of intraventricular administrations of chlordiazepoxide (Librium) on behaviour of cats"—by Dr. S. R. Dasgupta and Dr. G. H. Paul (Ibid, 2 (1), 4, 1964).

"Pharmacological study of the Perfoliata on cardiovascular system"—by Dr. S. R. Dasgupta and Dr. S. Sikdar (Proc. of the 55th session of Ind. Sc. Cong., 1968).

"Pharmacological study of Aloe Perfoliata on smooth muscle"—by Dr. S. R. Dasgupta and Dr. S. Sikdar (Proc. of the 55th Session of Ind. Sc. Cong., 1968).

*Department of Pathology including Bacteriology :*

"Problem of disputed parentage"—by Dr. P. C. Chatterjee (paper read at the Summer School in Forensic Science at Bangalore on 17th June, 1965).

*Department of Dermatology :*

"Clinico-therapeutic trial of Locacorten creme on skin diseases notably Eczemas"—by Dr. B. N. Banerjee and Dr. J. Chakraborty (Paper read at the 6th Annual Conference, Dermatological Society, India, at Lucknow Medical College, Lucknow).

*Department of Psychological Medicine :*

"Child guidance in India"—by Dr. G. G. Saha (Ind. Med. Rev.—awaiting publication).

*Department of Chest Surgery :*

"Studies on Juvenile Mitral Stenosis"—by Dr. A. K. Basu (Ind. J. Surg.—awaiting publication).

*Department of Diseases of Chest :*

"Domiciliary Treatment in the Control of Tuberculosis in India"—by Dr. P. K. Sen (Transaction, All India Tuberculosis Conference, January, 1962).

*Department of Biochemistry :*

"RNA changes in insect neurons induced by penicillin"—by Sm. Debjani Sarkar and Dr. A. K. Maiti (Proc. Ind. Sc. Cong., 1968, III).

"Neurotransmitters of the cerebral cortex under experimental excitation: Symposium article"—by Dr. A. K. Maiti (Ind. Sc. Cong., 1968).





**Lectures Delivered by Foreign Visitors and Distinguished Professors and  
Eminent Medical men since inauguration of the  
University College of Medicine  
1958-60**

Name	Lecture delivered
Dr. B. C. Roy, B.A., M.D. (Cal.), D.Sc., M.R.C.P. (Lond.), F.R.C.S. (Eng.), Chief Minister, Government of West Bengal.	Inauguration of the Basic Medical Sciences Course.
Prof. Dr. Robert Schroder, Director of the University, Women's Clinic, Leipzig, Eastern Germany.	A general survey of prevalence and incidence of Cancer with special reference to Cancer Cervix.
Dr. N. R. Sengupta, M.D. (Cal.), an emi- nent Physician of Calcutta.	Role of Medicine in Post-Graduate Medical Education.
Dr. V. S. Manglik, M.D., D.C.P. (Lond.), Principal and Professor of King George's Medical College, Lucknow, and Dean of the Faculty of Medicine, Lucknow University.	Role of Pathology in Post-Graduate Medical Education.
Lt.-Col. Sir A. L. Mudaliar, B.A., M.D., LL.D., D.Sc., D.C.L., F.R.C.O.G., F.A.C.S., Vice- Chancellor, Madras University and Eminent Obstetrician & Gynaecologist in India.	Importance of Basic Medical Sciences in Post-Graduate Medical Education.
Lady Edith Paterson	.. Modern Trend of Chemotherapy in Cancer.
Sir Ralston Paterson	.. Place of Radiotherapy in Cancer
Dr. B. Mukherjee, M.B. (Cal.), D.Sc., F.N.I., Director, Central Drug Research Institute, Lucknow.	Hormones of Pituitary gland with special reference to the Hormone of Pars intermedia.
Dr. Stanley P. Reimann, Director of the Insti- tute for Cancer Research and the Lankenau Hospital Research Institute, Philadelphia.	Causes of Cancer, Chemistry of Cell Divi- sion, Nuclear transplantation and differentiation.
Prof. G. Fanconi, Director, University Chil- dren's Clinic, Zurich and Secretary-General, International Pediatric Association.	Metabolic Disorders and Malnutrition.
Prof. Alexander Sturm, Director, Medical and Nerve Clinic, Wuppertal-Barmen and Professor of the Academy of Medicine, Düsseldorf, West Germany.	Thyroid gland and Vegetative Nervous system.
Sir Henry Platt, M.D. (Viet.), M.S. (Lond.), F.R.C.S. (Eng.), F.R.C.S. (Camb.), F.A.C.S., Former President of the Royal College of Surgeons of England.	Post-Graduate medical education and training of specialists.
George L. Weid, M.D. of the University of Chicago and Editor of 'Acta Cytologica'.	Scope of exfoliative cytology in Obste- trics & Gynaecology.





1960-61

Name	Lecture delivered
Prof. T. Oaspersson, Director, Institute of Cell Research and Genetics, Karolilaka Institute, Stockholm.	Cytochemical Studies of Tumour Cell Population.
Prof. E. E. Dunlop of Royal College of Surgeons, London.	Mouth and Throat Cancer.
Prof. Kranz, Psychiatrist, University of Mainz, Germany.	The Direct Provocation of symptoms with Monoamineoxidase-inhibiting substances in the diagnosis and therapy of Schizophrenic Psychoses. Modern Trends in German Psychiatry. Factors conditioning mental abnormality in the modern world. Pharmacopsychiatric Problems and Results in Endogenous Psychoses.

1961-62

Sir John Peel, the Vice-president of the Royal College of Obstetricians and Gynaecologists and Professor of Obstetrics and Gynaecology of the University of London.	Factors in the Aetiology of Carcinoma of Corpus Uteri.
Prof. Rajewski, President, 10th International Congress of Radiology.	Different Biological modes of action of ionising radiations.
Dr. B. Mukherjee, M.B., D.Sc., F.N.I., Director, Central Drug Research Institute and President of the Indian Science Congress.	Pharmacology of Central Nervous System.

1962-63

Dr. J. C. Gupta, Ex-Director & Professor, School of Tropical Medicine.	Pharmacology—its evaluation as a basic science ; scope and its relationship to other medical discipline.
--	--

1963-64

Dr. Mary Grosse, Professor of Paediatrics, Birmingham.	Idiopathic Respiratory Disorder and Jaundice of "Prematurity".
Dr. B. Mukherjee, M.B., D.Sc., F.N.I., Director, Chittaranjan National Cancer Institute.	Pharmacology, its evaluation as a Basic Science, its modern concept, scope and its relationship to other medical discipline.



1964-65

Name

Lecture delivered

- |  |   |
|--|---|
| Prof. Dr. Med. C. H. Hasselmann, Director of the University Clinic for Skin Diseases in Erlangen University of West Germany.   | 1. Medical Education in Germany.<br>2. Diagnosis and treatment of the Cancer of the skin. |
| Dr. S. N. Sen, Dean, Faculty of Medicine, Calcutta University & Vice-President, Council of the University College of Medicine. | Medical Education in West Bengal.   |
| Dr. N. R. Sengupta, M.D., Distinguished Physician of Calcutta.   | The history of Pharmacology and its scope as a basic Medical Science.                     |

1965-66

- |   |                                     |
|---|-------------------------------------|
| Dr. P. K. Kaul, Assistant Director General of W. H. O., Geneva. | International Health.               |
| Dr. Murray—Kingstone University.                                | Organisation of Laboratory Service. |

1966-68

- |  |   |
|--|---|
| Prof. Tellenback—University of Heidelberg, Germany.  | 1. Epilepsy as a Convulsive disease and as a Psychosis.<br>2. On the Phenomenology of the inter-lacing of Convulsive disease and alteration of behaviour. |
| Dr. W. G. McGregor, Professor, Institute of Obstetrics & Gynaecology, University of London.      | Painless Delivery.  |
| Sir John Peel, President of the Royal College of Obstetricians & Gynaecologists, London.         | Prediabetes.  |
| Dr. B. Mukherjee, M.B., D.Sc., F.N.I, Director, Chittaranjan National Cancer Research Institute. | Pharmacology—A Historical Survey.   |
| Dr. J. D. Spillane, The Neurologist for the Welsh National School of Medicine.                   | Polynuritis and the nerve Impulse.  |
| Dr. K. D. Chatterjee, M.D.   | Scope of Pathology and its application.   |

### Symposium

A symposium on "Rehabilitation of the Orthopaedically Disabled" was held at the Goenka Hospital of the University College of Medicine. It was inaugurated by Sri S. M. Banerjee, the then Treasurer of the Calcutta University and presided over by Dr. S. N. Sen, Dean, Faculty of Medicine. Dr. Gudmund Harlem, President, International Society of Rehabilitation of the Disabled, New York, graced the occasion by his presence and actively participated in the deliberations. Many distinguished Orthopaedic surgeons also participated and highlighted the multifaceted problems of rehabilitation of orthopaedically disabled people in India which is now being studied under the V.R.A. Scheme in the Orthopaedic Department of the University College of Medicine with Dr. K. S. Bose as the Chief Investigator.





Dr. Gudmund Harlem, President, International Society of Rehabilitation of the disabled, New York, delivering a lecture at the lecture theatre of Goenka Hospital.



## Distinguished Visitors from abroad and India at the University College of Medicine

### At the Institute of Basic Medical Sciences

- |            |   |
|------------|---|
| 31. 1. 67  | Dr. T. P. Sinha,<br>Prof. and Head of the Department of Anatomy,<br>P. W. Medical College, Patna—4. |
| 29. 6. 67  | Y. N. Ajink,<br>Ex-Professor of Agra Medical College,   |
| 7. 10. 67  | John Peel, Reog.  |
| 6. 11. 67  | Prof. Dr. H. Tellenbach,<br>Psychiatry Clinic,<br>University Heidelberg.                            |
| 11. 11. 67 | Leonard M. Libber,<br>W. S. office of Naval Research,<br>London Branch Office.                      |
| 13. 5. 68  | Randell L. Thompson,<br>American Embassy,<br>New Delhi.   |
|            | Kirk T. Mosley,<br>Consultant, Family Planning,<br>Ford Foundation.                                 |
| 7. 11. 68  | Juan Monroe,<br>World Rehabilitation Fund,<br>New York.   |

### At the Goenka Hospital

- |            |   |
|------------|---|
| 4. 2. 68   | M. Seidenfeld,<br>Deputy Assistant Administrator,<br>Office Research and Demonstration,<br>S. R. S., Department of Health, Education,<br>Washington.                |
| 9. 9. 68   | Gudmund Harlem,<br>President,<br>International Society of Rehabilitation of the Disabled,<br>New York.  |
| 17. 9. 68  | W. G. McGregor,<br>Institute of Obstetrics and Gynaecology,—University,<br>London.  |
| 22. 9. 68  | T. G. Wilhelm—TRV—EZE—<br>Mfg. Co. Inc. Burbank,<br>California,<br>U. S. A.   |
| 4. 11. 68  | Dr. R. P. Singh, Patna Medical College.<br>Dr. Kedar Prasad Singh—P. W. Medical College, Patna.<br>Dr. J. Chandra—G.S.V.M. Medical College, Kanpur.                 |
| 7. 11. 68  | Richard R. Leclair, Consultant,<br>Social and Rehabilitation Service,<br>Joseph E & Traub—Consultant<br>Office—Research, Demonstration and Training,<br>Washington. |
| 13. 11. 68 | Louis a Finney,<br>Soviet Rehabilitation Service,<br>Texas, U. S. A.  |
| 30. 1. 69  | P. K. Duraiswami,<br>Director General of Health Services,<br>Government of India.   |





## Achievements in International Sphere

1957-1959

(1) Dr. Subodh Mitra, Vice-President, Council of the University College of Medicine and Head of the Department of Obstetrics & Gynaecology and Cancer Research, was elected representative for Asia in the Scientific Programme Committee in the International Federation of Gynaecology and Obstetrics.

(2) Dr. P. K. Sen, Head of the Department of Diseases of Chest, Council of the University College of Medicine, was elected (i) Chairman of the Treatment of Tuberculosis of the International Union against Tuberculosis Head Quarters at Paris. (ii) Elected Chairman of the standing Technical Committee of the Tuberculosis Association of India, (iii) Elected President for the "Conference of workers on Tuberculosis and Chest Diseases".

(3) Dr. K. L. Sen, Head of the Department of Ophthalmology, University College of Medicine, was elected President of the XIX International Congress of Ophthalmology scheduled to be held in New Delhi in 1962. In May, 1959, he had attended the meeting of the International Council of Ophthalmology in Paris. He went out of India, in September, 1958, to Brussels to attend XVIII International Congress of Ophthalmology as the representative of the All India Ophthalmological Society to the International Federation of Ophthalmological Societies and also read a scientific paper.

1960-61

Dr. A. K. Basu, Head of the Department of Chest Surgery, University College of Medicine, was appointed an Examiner for the final F.R.C.S. (Eng.) Examination and joined the Court of Examiners in London in August, 1960.

Dr. B. N. Banerjee, Head of the Department of Dermatology, has been appointed a member of the Editorial Board of the 'Excerpta Medica', Amsterdam, since 1960.

1961-62

Dr. K. L. Sen, Head of the Department of Ophthalmology, University College of Medicine, attended the Ophthalmological Congress at Oxford in the United Kingdom in July, 1961 and the meetings of the International Council of Ophthalmology held at Oxford, England.

1962-63

Dr. P. K. Sen, Head of the Department of Chest Diseases, presided over the meeting of the Committee on "Domiciliary Ambulatory Treatment of Tuberculosis"—International Union against Tuberculosis, Paris, in September, 1962.

Dr. B. N. Banerjee, Head of the Department of Dermatology, has been appointed a member of the Editorial Advisory Board of 'Dermatologia Internationalis' an official organ of the International Society of Tropical Dermatology in 1963.





Dr. P. K. Duraiswami investigating an Orthopaedic case at Goenka Hospital  
with Dr. K. S. Bose & Dr. Satyabrata Bose





Dr. P. K. Duraiswami, Director-General of Health Services with Prof. S. N. Sen, Vice-Chancellor and Dr. S. N. Sen, Dean, Faculty of Medicine visiting the Operation Theatre of Goenka Hospital





1963-64

Dr. B. N. Banerjee, Head of the Department of Dermatology, was invited to preside over the Symposium on Leprosy and delivered a lecture on "Deficiency Dermatoses of the Skin in the Tropics", at the 1st International Congress of Tropical Dermatology, held in Naples in June, 1964.

1964-65

Dr. B. N. Banerjee, Head of the Department of Dermatology, who was awarded the "Ghosh Travelling Fellowship" by the Calcutta University for the year 1962 visited some of the medical schools and hospitals in Italy, Switzerland, France, Germany, Austria, Holland, U. K., Israel and Egypt.

Dr. C. C. Saha, Head of the Department of Psychological Medicine, visited Frankfurt, London, Vienna and Moscow during the months of May and June, 1965. Dr. Saha was elected a Fellow of the Royal College of Physicians, London.

1965-66

Dr. P. K. Banerjee, Secretary, Council of the University College of Medicine, attended the 3rd Asian Conference on "Students Health" organised by the World University Service in the month of April, 1966, at Chiangmai, Thailand and presented a paper on "Calcutta University Students Health Service".

1966-67

Dr. P. K. Banerjee participated in the Seminar in the Third World Medical Education Conference at Delhi.

1967-68

Dr. K. S. Bose, Head of the Department of Orthopaedic Surgery, was invited by the British Council of Rehabilitation of the Disabled to present a paper on "Surgery of Leprosy Neuritis and their Rehabilitation" in 3rd International Seminar on Rehabilitation at Brighton, United Kingdom, on June 30th-July 6th, 1968.

He was also invited to act as Chairman of a session of free papers on Rheumatoid Arthritis at Congress of the South East Asia and Pacific Area League against Rheumatism in Bombay in February, 1968.



## Extra Mural Teachers who rendered their services in the University College of Medicine since its Inception

### Department of Anatomy

Name of the Teachers	Period of Service from the Session
1. Dr. P. Bose, M.B., D.T.M. (Cal.)	.. 1957-58—still continuing
2. Dr. A. Mukherjee, M.Sc., M.B. (Cal.), D.T.M.	... 1957-58 to 1959-60 & 1965-66 to 1968-69.
3. Dr. B. N. Basu, M.B. (Cal.)	.. 1957-58 to 1959-60
4. Dr. M. L. Pan, M.B., L.R.C.P., F.R.C.S. (Edin.)	.. 1957-58 to 1958-59 & 1960-61 to 1965-66.
5. Dr. N. Goswami, M.B. (Cal.), Ph.D.	.. 1957-58 to 1958-59
6. Dr. B. Mukherjee, M.B. (Cal.), M.S. (Cal.)	.. 1957-58 to 1960-61 and 1967- 68 to 1968-69.
7. Dr. S. R. Konar, M.B. (Cal.), F.R.C.S. (Lond.)	.. 1957-58 to 1959-60
8. Dr. U. C. Chakraborty, M.B. (Cal.), F.R.C.S. (Eng.)	.. 1957-58—still continuing
9. Dr. G. S. Karai, M.B. (Cal.), F.R.C.S. (Eng.)	.. 1957-58 to 1959-60
10. Dr. S. Mitra, M.B. (Cal.)	.. 1957-58 to 1959-60
11. Dr. S. K. Basu, M.Sc., M.B., D.T.M., D.P.H., Ph.D. (Lond.)	1957-58 to 1960-61
12. Dr. K. Banerjee, M.B. (Cal.), Ph.D. (St. Andrews)	1957-58, 1959-60, 1960-61 and 1963-64 to 1966-1967.
13. Dr. P. R. Roy, B.Sc., M.B., Ph.D. (St. Andrews)	.. 1957-58 to 1958-59
14. Dr. S. Bagehi, M.B. (Cal.)	.. 1957-58
15. Dr. H. Sarkar, M.B. (Cal.), F.R.C.S.	.. 1957-58
16. Dr. S. Laha, M.B. (Cal.), Ph.D.	.. 1960-61, 1967-68 to 1968-69

### Department of Physiology

Name of the Teachers	Period of Service from the Session
1. Dr. D. P. Sadhu, M.Sc., L.M.F., Ph.D. (Missouri)	.. 1957-58 to 1960-61
2. Dr. M. L. Chakraborty, M.Sc., M.B. (Cal.), Ph.D. (Lond.)	1957-58 to 1961-62
3. Dr. H. L. Saha, M.B. (Cal.), Ph.D. (Lond.)	.. 1957-58—still continuing
4. Dr. B. P. Ghosh, M.D. (Lond.)	.. 1957-58 to 1960-61
5. Dr. B. B. Roy, M.B. (Cal.)	.. 1957-58
6. Dr. J. B. Chatterjee, M.B. (Cal.), M.D. (Cal.), F.N.I.	1957-58
7. Dr. A. C. Majumdar, M.Sc., D.Phil. (Cal.)	.. 1957-58 to 1960-61
8. Dr. C. L. Mukherjee, M.B. (Cal.), M.D. (Cal.), F.R.C.S., F.R.C.O.G., Ph.D. (Edin.)	1957-58 to 1961-62
9. Dr. J. C. Banerjee, M.B. (Cal.), F.R.C.P. (Lond.)	.. 1957-58 to 1961-62
10. Sri N. M. Basu, M.Sc. (Cal.), F.N.I.	.. 1957-58 to 1959-60
11. Dr. B. Roy, M.Sc., M.B. (Cal.), D.Phil. (Cal.)	.. 1961-62—still continuing
12. Dr. R. Ray, M.D.	.. 1961-62 to 1962-63
13. Dr. N. K. Ghosal, M.Sc., M.B. (Cal.)	.. 1961-62 to 1962-63 and 1964- 65—still continuing
14. Dr. D. Raymahasay, B.Sc., M.B. (Cal.), Ph.D. (Lond.)	1961-62
15. Dr. K. Bagehi, M.B., Ph.D.	.. 1961-62
16. Dr. H. Chakraborty, M.D. (Cal.)	.. 1961-62
17. Sri B. Sarkar, M.Sc. (Cal.)	.. 1961-62





- |     |   |    |                          |
|-----|---|----|--------------------------|
| 18. | Dr. P. B. Sen, M.Sc., P.R.S.  | .. | 1962-63                  |
| 19. | Dr. B. Datta Chaudhuri, M.B., D.C.P., D.Phil.                         | .. | 1963-64 to 1965-66       |
| 20. | Dr. K. L. Mukherjee, M.B., D.Phil., Ph.D. (Wiscon.)                   | .. | 1964-65 to 1968-69       |
| 21. | Dr. David Schafer, Ph.D.  | .. | 1965-66 to 1966-67       |
| 22. | Dr. B. K. Chakraborty, M.Sc., M.B.B.S., D.Phil.,<br>M.D. (Luck.)      | .. | 1965-66 to 1968-69       |
| 23. | Dr. A. Sinha, M.Sc., M.B.B.S.   | .. | 1966-67 to 1967-68       |
| 24. | Dr. A. Sarkar, M.B.B.S., R.C.P. & R.C.S. (Lond.),<br>F.R.C.S. (Edin.) | .. | 1967-68—still continuing |
| 25. | Dr. P. C. Rakshit, M.Sc., M.B.B.S., Ph.D.                             | .. | 1968-69                  |

### Department of Pharmacology

- |     | Name of the Teachers   | Period of Service<br>from the Session                 |
|-----|--|---|
| 1.  | Dr. K. N. Sen, M.B. (Cal.), M.R.C.P. (Edin.), D.P.H.<br>(Lond.)    | 1957-58 to 1958-59, 1964-65—<br>still continuing      |
| 2.  | Dr. M. L. Chatterjee, M.B. (Cal.), D.Phil. (Oxon.)                 | .. 1957-58—still continuing                           |
| 3.  | Dr. P. C. Adhya, M.Sc., M.B. (Cal.)                                | .. 1957-58 to 1961-62                                 |
| 4.  | Dr. M. N. Ghosh, M.B. (Cal.), Ph.D. (Lond.)                        | .. 1957-58 to 1960-61                                 |
| 5.  | Dr. S. S. Sengupta, M.B. (Cal.), D.T.M., M.D. (Luck.)              | 1957-58—still continuing                              |
| 6.  | Dr. N. Bhattacharyya, B.Sc., M.B. (Cal.)                           | .. 1957-58 to 1961-62                                 |
| 7.  | Dr. B. Mukhoti, M.B. (Cal.)  | .. 1957-58 to 1964-65                                 |
| 8.  | Dr. P. K. Sengupta, B.Sc., M.B. (Cal.)                             | .. 1957-58 to 1964-65                                 |
| 9.  | Dr. P. K. Chakraborty, M.B. (Cal.), D.P.H. (Cal.),<br>M.D. (Luck.) | 1957-58—still continuing                              |
| 10. | Dr. N. K. Dasgupta, M.B., M.D. (Cal.)                              | .. 1957-58 to 1964-65                                 |
| 11. | Dr. B. N. Ghosh, M.B.E., F.R.F.P.S. (Glas.)                        | .. 1957-58  |
| 12. | Dr. B. Mukherjee, M.B. (Cal.), D.Sc., M.P.S., F.N.I.               | .. 1957-58  |
| 13. | Dr. M. Chakraborty, B.Sc., M.B. (Cal.), D.Phil.<br>(Oxon.)         | 1957-58   |
| 14. | Dr. S. R. Dasgupta, M.B. (Cal.), D.Phil.                           | .. 1957-58 to 1960-61                                 |
| 15. | Dr. S. Lahiri, M.B. (Cal.), M.D. (Luck.)                           | .. 1959-60 to 1960-61 & 1962-63<br>—still continuing. |
| 16. | Dr. B. P. Mukherjee, M.B.B.S., Dip.B.M.S., M.Sc.<br>(Med.)         | 1961-62   |
| 17. | Dr. B. Bhattacharyya, M.D. (Cal.)                                  | .. 1961-1962 and 1962-1963                            |
| 18. | Dr. A. Bhattacharyya, M.B., D.T.M., D.P.H. (Cal.)                  | 1961-62   |
| 19. | Dr. M. S. Dey, M.B.B.S., D.Phil.                                   | .. 1962-63—still continuing                           |
| 20. | Dr. R. C. Majumdar, M.B.B.S., D.G.O.                               | .. 1964-65  |
| 21. | Dr. R. B. Arora, M.B.B.S., M.D. (Med.), M.D.<br>(Pharm.), F.A.M.S. | 1967-68   |

### Department of Pathology Including Bacteriology

- |    | Name of the Teachers  | Period of Service<br>from the Session           |
|----|---|---|
| 1. | Dr. B. K. Aikat, M.B.B.S. (Hons.), M.D. (Path.),<br>Ph.D. (Lond.), D.C.P. (Lond.) | 1957-58 to 1958-59 and 1961-<br>62 and 1964-65. |
| 2. | Dr. S. N. De, M.B. (Cal.), Ph.D. (Lond.)  | .. 1957-58—still continuing                     |
| 3. | Dr. K. C. Basu Mallick, M.D. (Cal.), Ph.D. (Lond.)                                | .. 1957-58—still continuing                     |
| 4. | Dr. A. R. Roy, M.B., D.Phil. (Cal.)   | .. 1957-58                                      |
| 5. | Dr. C. R. Banerjee, M.B. (Cal.), M.D. (Luck.)                                     | .. 1957-58 and 1959-60                          |
| 6. | Dr. S. Mitra, M.B. (Cal.), M.D. (Agra)  | .. 1957-58 to 1959-60                           |





7.	Dr. D. C. Lahiri, M.B. (Cal.), D.T.M. & H. Dip. Bact. (Manchester), Ph.D. (Lond.)	1957-58
8.	Dr. A. C. Guha, M.B.B.S. (Rangoon), D.Bact. (Lond.)	1957-58 and 1961-62—still continuing.
9.	Dr. J. K. Sarkar, M.B. (Cal.), D.Bact. (Lond.)	1957-58—still continuing
10.	Dr. D. Barua, M.B. (Cal.), M.D. (Luck.)	1957-58 to 1965-66
11.	Dr. P. N. Bose, M.B. (Cal.), D.T.M., D.P.H. (Cal.), D.Bact. (Manchester)	1957-58 to 1962-63
12.	Dr. D. N. Sengupta, M.B. (Cal.), D. Bact. (Lond.)	1957-58—still continuing
13.	Dr. B. Ghoshray, M.B. (Cal.), Ph.D. (Edin.)	1957-58
14.	Dr. J. B. Chatterjee, M.B. (Cal.), M.D. (Cal.), F.N.I.	1957-58—still continuing
15.	Dr. B. B. Sarkar, M.B. (Cal.)	1957-58
16.	Dr. H. N. Roy, M.Sc. (Cal.), Ph.D., F.Z.S.I., F.N.I.	1957-58
17.	Dr. A. M. Mukherjee, M.B. (Cal.), D.C.P. (Lond.), D.Phil. (Cal.)	1957-58 to 1964-65
18.	Dr. S. K. Roy, M.B. (Cal.)	1957-58
19.	Dr. R. Datta Chaudhuri, B.Sc., M.B.B.S. (Cal.), M.C. Path., (Lond.)	1957-58 to 1961-62
20.	Dr. N. Mondal, M.B. (Cal.)	1957-58 to 1963-64
21.	Dr. K. P. Sengupta, D.Phil.	1959-60 to 1960-61
22.	Dr. A. K. Banerjee, M.D. (Luck.), D.C.P.	1959-60 to 1961-62
23.	Dr. N. N. Sen, M.D. (Luck.) D.C.P.	1959-60 to 1961-62
24.	Dr. N. C. Dey, M.B., D.Bact.	1961-62 and 1964-65
25.	Dr. S. K. Dutta, M.B. (Cal.)	1961-62 to 1964-65
26.	Dr. P. C. Sengupta, M.B., D.Phil.	1962-63 to 1964-65
27.	Dr. S. K. Banerjee, M.B.B.S., Ph.D. (Lond.)	1963-64—still continuing
28.	Dr. K. Bhattacharyya, M.B.B.S., D.T.M., M.D. (Luck.), Ph.D. (Lond.)	1964-65 to 1967-68
29.	Dr. S. K. Sarkar, M.B.B.S., D.C.P., Ph.D. (Mcgill)	1964-65

### Department of Experimental Surgery

Name of the Teachers	Period of Service from the Session
1. Dr. M. M. Mukherjee, M.B. (Cal.), M.S. (Cal.), F.R.C.S. (Lond.)	1957-58 to 1958-59
2. Dr. S. R. Konar, M.B. (Cal.), F.R.C.S. (Lond.)	1957-58 to 1964-65
3. Dr. B. Roy, M.Sc., M.B. (Cal.)	1957-58 to 1960-61
4. Dr. H. K. Sen, B.Sc., M.B. (Cal.)	1957-58
5. Dr. B. Sarkar, M.Sc.	1957-58 to 1960-61
6. Dr. R. Singh, M.Sc., M.B. (Cal.)	1957-58
7. Dr. S. Chaudhury, M.B. (Cal.), Ph.D. (Lond.)	1957-58
8. Dr. H. K. Chakraborty, M.D. (Cal.)	1957-58
9. Dr. J. Chatterjee, M.Sc. (Washington)	1957-58
10. Dr. S. K. Bagchi, M.B. (Cal.)	1957-58
11. Dr. A. K. Maiti, M.Sc., M.B., D.Phil.	1957-58 to 1959-60
12. Dr. B. Chakraborty, M.Sc., M.B. (Cal.), M.D. (Luck.), D.Phil. (Cal.)	1957-58 to 1960-61
13. Dr. D. Raymahasay, B.Sc., M.B. (Cal.), Ph.D. (Lond.)	1957-58
14. Dr. N. K. Roy Chaudhuri, M.B. (Cal.), F.R.C.S. (Eng.)	1957-58
15. Miss A. Basu, M.Sc.	1957-58 to 1960-61
16. Dr. B. Roy, M.B., M.S. (Cal.), D. Phil. (Cal.)	1957-58 to 1963-64
17. Dr. G. S. Karai, M.B. (Cal.), F.R.C.S. (Eng.)	1959-60 to 1960-61 and 1962-63 to 1963-64.
18. Dr. J. K. Debmaulik, M.S. (Cal.)	1960-61 to 1962-63



19.	Dr. S. Mukhopadhyay, M.B., D.Phil. (Cal.)	..	1960-61
20.	Dr. B. Roy, M.Sc., M.B. (Cal.)	..	1960-61
21.	Dr. R. Sinha, M.Sc., M.B. (Cal.)	..	1960-61
22.	Dr. S. K. Chatterjee, M.B. (Cal.), F.R.C.S. (Eng.)	..	1961-62 to 1963-64
23.	Dr. S. N. Basu, M.B., F.R.C.S. (Eng.)	..	1961-62 to 1964-65
24.	Dr. R. Chakraborty, M.B. (Cal.), F.R.C.S. (Eng.)	..	1961-62 to 1963-64
25.	Dr. P. K. De, M.B. (Cal.)	..	1961-62 to 1963-64

### Department of General Medicine

Name of the Teachers		Period of Service from the Session	
1.	Dr. H. Ganguly, M.D. (Cal.)	..	1957-58 and 1961-62
2.	Dr. A. K. Raychoudhuri, M.D. (Cal.)	..	1957-58 and 1961-62
3.	Dr. N. R. Konar, M.D. (Cal.), M.R.C.P. (Lond.)	..	1957-58—still continuing
4.	Dr. S. C. Chatterjee, M.B. (Cal.), M.R.C.P. (Lond.)	..	1957-58 and 1963-64 to 1967-68
5.	Dr. J. C. Banerjee, M.B. (Cal.), M.R.C.S. (Eng.), F.R.C.P. (Lond.)	..	1957-58 to 1960-61
6.	Dr. S. N. Sen, M.B. (Cal.), F.R.C.P. (Edin.), F.S.M.F.	..	1957-58 to 1962-63
7.	Dr. B. Bhattacharyya, B.Sc., M.D. (Cal.)	..	1957-58 to 1964-65
8.	Dr. T. K. Ghosh, M.D. (Cal.)	..	1957-58 to 1959-60
9.	Dr. A. B. Mukherjee, M.D. (Cal.), M.R.C.P. (Lond.)	..	1957-58—still continuing
10.	Dr. P. K. Chatterjee, M.B. (Cal.), M.R.C.P. (Lond.), F.R.C.P.	..	1957-58 to 1967-68
11.	Dr. K. D. Chatterjee, M.D. (Cal.)	..	1957-58—still continuing
12.	Dr. S. K. Dutta, M.D. (Cal.)	..	1957-58—still continuing
13.	Dr. A. K. Nandy, B.Sc., M.B. (Cal.), M.R.C.P. (Edin.)	..	1957-58
14.	Dr. G. B. Singha, M.B. (Cal.), M.R.C.P. (Edin.)	..	1957-58—still continuing
15.	Dr. T. Bose, M.D. (Cal.)	..	1957-58
16.	Dr. B. N. Chatterjee, M.D. (Cal.)	..	1957-58 to 1963-64
17.	Dr. G. N. Roy, M.B. (Cal.), M.R.C.P. (Edin.)	..	1957-58
18.	Dr. M. N. De, M.B. (Cal.), M.R.C.P. (Lond.)	..	1957-58 and 1961-62
19.	Dr. D. B. Dhar, M.B. (Cal.), M.R.C.P. (Lond.)	..	1957-58
20.	Dr. D. P. Basu, M.B. (Cal.), Ph.D. (Lond.), M.R.C.P. (Edin.)	..	1957-58
21.	Dr. A. B. Mukherjee, M.B. (Cal.), M.R.C.P. (Lond.)	..	1957-58
22.	Dr. P. N. Brahmachari, M.Sc., P.R.S., M.B., M.D. (Cal.)	..	1957-58, 1961-62 and 1963-64—still continuing
23.	Dr. B. M. Sinha, M.B. (Cal.), M.R.C.P. (Lond.)	..	1957-58
24.	Dr. B. C. Sinha, M.B. (Cal.), M.R.C.P. (Lond.)	..	1957-58—still continuing
25.	Dr. C. C. Saha, M.Sc., M.B., D.T.M. (Cal.), F.R.C.P. (Lond. & Glas.)	..	1957-58 to 1963-64
26.	Dr. S. Lahiri, M.D. (Cal.)	..	1957-58 to 1959-60
27.	Dr. M. K. Chhetri, M.B. (Cal.), M.D. (Cal.), M.R.C.P. (Lond.)	..	1959-60, 1960-61 and 1961-62
28.	Dr. A. K. Chaudhuri, M.B., D.T.M., M.R.C.P. (Lond.)	..	1960-61 to 1961-62
29.	Dr. H. K. Roy, M.D. (Cal.)	..	1960-61 and 1963-64
30.	Dr. S. Chaudhuri, M.D. (Cal.)	..	1961-62, 1967-68 to 1968-69
31.	Dr. S. Mukherjee, M.B., D.T.M. & H., M.R.C.P.	..	1961-62 to 1967-68
32.	Dr. J. N. Mandal, M.R.C.P.	..	1961-62 and 1962-63
33.	Dr. N. B. Sengupta, M.D. (Cal.)	..	1961-62
34.	Dr. N. Sanyal, M.B., M.R.C.P.	..	1961-62



35.	Dr. H. K. Paul, M.B., M.R.C.P. (Lond.)	..	1961-62
36.	Dr. J. Chatterjee, M.B., F.R.C.P.		1961-62—still continuing
37.	Dr. L. Ganguly, M.B., M.R.C.P. (Edin.)	..	1961-62 and 1962-63
38.	Dr. L. Banerjee, M.B., T.D.D. (Wales), D.I.H.		1962-63
39.	Dr. D. Chakraborty, M.B.B.S., D.T.M., M.R.C.P.		1965-66—still continuing
40.	Dr. H. Chakraborty, M.B.B.S., M.D. (Cal.)		1966-67—still continuing
41.	Dr. S. K. Biswas, M.B., D.T.M. (Cal.), D.C.H. (Lond.), M.R.C.P. (Lond. & Glas.)		1967-68—still continuing
42.	Dr. B. Bhattacharyya, M.D.	..	1968-69
43.	Dr. A. Raychaudhuri, M.D.	..	1968-69
44.	Dr. S. Sen, M.D., M.R.C.P.	..	1968-69
45.	Dr. T. K. Chaudhuri, M.B., M.R.C.P. (Edin.)	..	1961-62 and 1962-63
46.	Dr. J. Saha, M.B., M.D. (Cal.)	..	1964-65—still continuing

### Department of General Surgery

Name of the Teachers		Period of Service from the Session	
1.	Dr. A. K. Sen, M.B. (Cal.), D.P.H. (Lond.), F.R.C.S. (Eng.).	1957-58 and 1958-59	
2.	Dr. S. Dutta, M.B. (Cal.), L.M. (Rott.), F.R.C.S. (Edin.).	Do.	
3.	Dr. A. L. Some, M.S. (Cal.), F.R.C.S. (Edin.)	..	1957-58—still continuing
4.	Dr. S. M. Ghosh, M.B. (Cal.), F.R.C.S. (Edin.)	..	Do.
5.	Dr. P. Chatterjee, M.B. (Cal.), F.R.C.S. (Edin.)		1957-58 and 1958-59
6.	Dr. U. C. Chakraborty, M.B. (Cal.), F.R.C.S. (Edin.)		1957-58 to 1963-64
7.	Dr. K. K. Ghosh, M.B. (Cal.), F.R.C.S. (Eng.)	..	1957-58—still Continuing
8.	Dr. R. Chatterjee, M.B. (Cal.), F.R.C.S. (Edin.)	..	Do.
9.	Dr. M. Mukherjee, M.S. (Cal.), F.R.C.S. (Eng.)	..	Do.
10.	Dr. A. Bagechi, M.B.B.S., F.N.S. (Vienna), F.A.C.S., F.I.C.S.		Do.
11.	Dr. A. K. Saha, M.B. (Cal), F.R.C.S. (Eng. & Edin.), M.Ch. (Ortho.).	1957-58 to 1958-59 and from 1966-67—still continuing	
12.	Dr. S. Chatterjee, M.B. (Cal.)	..	1957-58
13.	Dr. S. Chatterjee, M.B. (Cal.)	..	Do.
14.	Dr. A. K. Duttgupta, M.B. (Cal.), F.R.C.S. (Eng.)		1957-58—still continuing
15.	Dr. U. Mukherjee, M.S. (Cal.)	..	1957-58 and 1958-59
16.	Dr. K. P. Das, M.B. (Cal.), F.R.C.S. (Eng. & Edin.)	..	1957-58 to 1966-67
17.	Dr. S. Chatterjee, M.B. (Cal.), D.A. (Lond.), F.A.C.A.		1957-58
18.	Dr. S. Banerjee, M.B. (Cal.), F.R.C.S. (Edin.)	..	1957-58—still continuing
19.	Dr. G. S. Karai, M.B. (Cal.), F.R.C.S. (Eng.)	..	1957-58 to 1960-61
20.	Dr. (Miss) A. Mukherjee, M.B. (Cal.), M.S. (Cal.)	..	1957-58 to 1958-59, 1961-62 and 1966-67.
21.	Dr. S. K. Dutta, M.B. (Cal.), F.R.C.S. (Eng.)		1957-58 to 1959-60
22.	Dr. B. Chatterjee, M.B. (Cal.), M.S. (Cal.), F.R.C.S. (Eng.).	1957-58 to 1958-59 and from 1966-67—still continuing	



23.	Dr. D. Roymahasay, B.Sc., M.B. (Cal.), Ph.D. (Lond.)	1957-58 to 1960-61
24.	Dr. H. Sett, M.B., F.R.C.S.	.. 1960-61—still continuing
25.	Dr. R. Chakraborty, M.B., F.R.C.S.	.. 1960-61 to 1966-67
26.	Dr. C. Banerjee, M.B.	.. 1960-61
27.	Dr. R. Chatterjee, M.B. (Cal.), M.S. (Cal.)	.. 1960-61 to 1962-63
28.	Dr. K. S. Bose, M.B., M.S. (Cal.)	.. 1960-61 to 1967-68
29.	Dr. A. Mukherjee, M.B., M.S.	.. 1960-61—still continuing
30.	Dr. S. Chatterjee, M.B. (Cal.), F.R.C.S. (Eng.)	.. Do.
31.	Dr. D. K. Sen, M.B., M.S. (Cal.)	.. Do.
32.	Dr. S. Bhattacharjee, M.B., F.R.C.S.	.. 1960-61 to 1962-63 and 1968-69.
33.	Dr. S. Sengupta, M.B., F.R.C.S. (Eng.)	.. 1960-61 to 1966-67
34.	Dr. B. Biswas, M.B., M.S. (Cal.)	.. 1960-61 to 1962-63
35.	Dr. S. N. Basuray, M.B. (Cal.), F.R.C.S. (Eng.)	.. 1960-61 and from 1966-67—still continuing
36.	Dr. A. K. Das, M.B.	.. 1960-61 to 1962-63 and from 1966-67—still continuing
37.	Dr. B. Mukherjee, M.B., M.S.	.. 1960-61 to 1966-67
38.	Dr. T. K. Debmaulik, M.B., M.S. (Cal.)	.. 1960-61 to 1968-69
39.	Dr. B. Roy, M.B., M.S., D.Sc., D.Phil.	.. Do.
40.	Dr. S. Roy, M.B., F.R.C.S. (Eng.)	.. 1961-62 to 1962-63
41.	Dr. S. N. Roy, M.B., F.R.C.S. (Eng.)	.. 1961-62—still continuing
42.	Dr. A. Roy, M.B., F.R.C.S. (Eng.)	.. 1961-62—still continuing
43.	Dr. K. L. Sen, M.B. (Cal.), F.R.C.S. (Edin.), D.O.M.S. (Lond.)	1962-63
44.	Dr. R. B. Chatterjee, M.B. (Cal.), F.R.C.S. (Eng.)	.. 1963-64—still continuing
45.	Dr. M. L. Chatterjee, M.B., F.R.C.S. (Edin.)	.. 1965-66—still continuing
46.	Dr. M. Ahmed, M.B.B.S., F.R.C.S. (Eng. & Edin.)	.. 1965-66 to 1966-67
47.	Dr. G. Chaudhury, M.B. (Cal.), F.R.C.S. (Edin.)	.. do
48.	Dr. H. K. Sarkar, M.B., F.R.C.S. (Eng. & Edin.)	.. 1966-67 to 1968-69
49.	Dr. S. R. Konar, M.B.B.S., F.R.C.S. (Eng.)	.. 1966-67
50.	Dr. B. Bhattacharyya, M.B.B.S., F.R.C.S. (Edin.), T.D.D. (Wales)	1966-67 to 1968-69
51.	Dr. B. Chakraborty, M.B.B.S., M.S. (Cal.), F.R.C.S. (Edin. & Eng.), Ph.D. (Belfast)	1968-69

### Department of Obstetrics and Gynaecology

Name of the Teachers	Period of Service from the Session
1. Dr. S. C. Bose, B.Sc., M.B. (Cal.), F.R.C.S. (Edin.), F.R.C.O.G.	1957-58 to 1959-60
2. Dr. J. Chakraborty, M.B. (Cal.), F.R.C.O.G.	.. 1957-58
3. Dr. H. N. Roy, M.B. (Cal.), F.R.C.O.G.	.. 1957-58 to 1959-60
4. Dr. D. L. Poddar, M.B. (Cal.), F.R.C.S. (Edin.), F.R.C.O.G.	1957-58 to 1966-67
5. Dr. A. Bhowmick, M.B. (Cal.), M.R.C.O.G.	.. 1957-58 to 1964-65
6. Dr. C. L. Mukherjee, M.B., M.D. (Cal.), Ph.D. (Edin.), F.R.C.O.G.	1957-58 to 1960-61 and 1968-69.
7. Dr. P. C. Das, M.B., M.O. (Cal.)	.. 1957-58—still continuing
8. Dr. K. N. Mitra, B.Sc., M.D. (Cal.), F.R.C.S. (Edin.), F.R.C.O.G.	1957-58—still continuing
9. Dr. S. Misra, M.B. (Cal.), F.R.C.O.G.	.. 1957-58 to 1958-59
10. Dr. S. Surray, M.B. (Cal.), M.R.C.O.G.	.. 1957-58 to 1963-64



11.	Dr. C. Ghosh, M.B. (Cal.), M.D. (Cal.)	..	1957-58—still continuing
12.	Dr. B. Sengupta, M.B. (Cal.), M.D. (Germany)	..	Do.
13.	Dr. T. K. Ghosh, M.B., M.R.C.P. (Edin.), L.M., D.G.O. (Dub.)	..	Do.
14.	Dr. S. N. Bagchi, M.O. (Cal.)	..	1957-58 to 1959-60
15.	Dr. M. N. Sarkar, M.B. (Cal.), F.R.C.S. (Edin.), F.R.C.O.G.	..	Do.
16.	Dr. S. Bose, M.B. (Cal.)	..	1957-58
17.	Dr. U. N. Banerjee, M.B.B.S. (Cal.)	..	1957-58 to 1961-62
18.	Dr. A. K. Nandy, B.Sc., M.B. (Cal.), M.R.C.P. (Edin.)	..	1957-58 to 1958-59
19.	Dr. R. Sinha, B.Sc., M.B. (Cal.), M.R.C.S., L.R.C.P., L.M., D.G.O. (Dub.), D.C.O.G. (Lond.)	..	Do.
20.	Dr. D. Ghosh, M.B. (Cal.)	..	1957-58—still continuing
21.	Dr. P. Sur, M.B.B.S. (Cal.)	..	1957-58 to 1958-59
22.	Dr. (Mrs.) K. Dasgupta, M.B. (Cal.), M.R.C.O.G. (Lond.)	..	1957-58—still continuing
23.	Dr. L. Bhose, M.B., D.G.O., M.R.C.O.G. (Lond.)	..	1960-61—still continuing
24.	Dr. N. Roychoudhury, M.B., M.O., M.R.C.O.G. (Lond.), F.R.C.S. (Eng.)	..	1960-61—still continuing
25.	Dr. T. Banerjee, M.B., F.R.C.S. (Eng.)	..	1960-61—still continuing
26.	Dr. N. Sen, M.B.B.S.	..	1960-61
27.	Dr. J. Chatterjee, M.O. (Cal.)	..	1960-61—still continuing
28.	Dr. S. Hazra, M.B., F.R.C.S. (Eng.)	..	1960-61—still continuing
29.	Dr. A. K. Mitra, M.B., M.R.C.O.G. (Lond.)	..	1960-61—still continuing
30.	Dr. B. Halder, M.B. (Cal.), M.R.C.O.G. (Lond.)	..	1960-61 to 1963-64 and 1966-67—still continuing
31.	Dr. B. Rakshit, M.B. (Cal.), M.R.C.O.G. (Lond.)	..	1960-61 to 1963-64
32.	Dr. S. Pal, M.D. (Cal.)	..	1960-61
33.	Dr. Amal Chatterjee, M.B., M.O. (Cal.)	..	1960-61 to 1963-64 and 1966-67—still continuing
34.	Dr. C. Mitra, M.O. (Cal.), M.R.C.O.G. (Lond.)	..	1960-61 to 1961-62
35.	Dr. (Mrs.) B. Bhattacharyya, M.B.	..	1961-62
36.	Dr. (Mrs.) M. Konar, M.B., M.O. (Cal.)	..	1961-62 to 1963-64
37.	Dr. B. Lahiri, M.B., D.G.O., M.O., M.R.C.O.G., F.R.C.S.	..	1962-63
38.	Dr. Rathindranath Nag, M.B.B.S., D.Obst., R.C.O.G., M.R.C.O.G.	..	1963-66—still continuing
39.	Maj. S. C. Dutta, B.Sc., M.B. (Cal.), I.M.S. (Retd.)	..	1963-64 and 1966-67 to 1968-69
40.	Dr. S. K. Banerjee, M.B.B.S., M.O., M.R.C.O.G., Ph.D. (Lond.)	..	1965-66—still continuing
41.	Dr. N. Ghosh, M.B., D.G.O., M.O., M.R.C.O.G. (Lond.)	..	1966-67—still continuing
42.	Dr. G. Nandy, M.B. (Cal.), M.R.C.O.G., F.R.C.O.G.	..	1966-67—still continuing
43.	Dr. N. Ghosh, M.B.B.S., D.G.O., M.R.C.O.G.	..	1968-69

### Department of Dermatology

Name of the Teachers	Period of Service from the Session
1. Dr. K. D. Lahiri, M.B. (Path.), M.D. (Zurich), D.Phil. (Cal.), D.T.M. & H. (Lond.), Ph.D. (Edin.)	1958-59 to 1963-64 and 1967-68 to 1968-69
2. Dr. A. K. Das, M.B., D.T.M., M.R.C.P. (Edin.)	.. 1958-59 to 1959-60
3. Dr. B. Chakraborty, M.B., I.A.M.C. (Retd.)	.. 1958-59—still continuing
4. Dr. A. Chaudhury, M.Sc., M.B. (Cal.), D.T.M.	.. 1958-59—still continuing
5. Dr. T. D. Majumdar, M.B., M.D. (Germany)	.. 1958-59—still continuing



6.	Dr. N. N. Mukherjee, M.B.B.S.	..	1958-59 to 1959-60
7.	Dr. N. B. Gupta, M.B., D.T.M. & H. (Lond.)	..	1960-61 to 1962-63
8.	Dr. N. M. Mukherjee, M.B., D.P.H., D.T.M.	..	1960-61
9.	Dr. S. Ghosh, M.B., D.T.M., D.Bact. (Lond.)	..	1960-61—still continuing
10.	Dr. B. P. Ghosh, M.Sc. (Cal.), Ph.D. (Wis.), U.S.A.	..	1958-59—still continuing
11.	Dr. S. N. Roy, M.Sc., M.B.	..	1961-62 to 1965-66
12.	Dr. S. K. Ghosh, M.B., D.T.M. & H., D.Dermat.	..	1961-62 to 1962-63
13.	Dr. S. C. Mitra, M.B., D.T.M., D.Dermat.	..	1962-63 and 1965-66—still continuing
14.	Dr. A. K. Datta, M.B., D.T.M. & H., D.Dermat., D.Phil.	..	1962-63 and 1966-67—still continuing
15.	Dr. S. K. Panja, M.B.B.S. (Cal.), M.R.C.P. (Edin.)	..	1965-66—still continuing
16.	Dr. A. K. Banerjee, M.B.B.S., D.T.M., D.Phil.	..	1967-68—still continuing
17.	Dr. A. Mukherjee, M.B.B.S., M.S.(Cal.)	..	1967-68—still continuing
18.	Dr. S. Kundu, M.B.B.S., D.T.M. & H.	..	1964-65

### Department of Radiology and Radiotherapeutics

Name of the Teachers		Period of Service from the Session
1.	Dr. N. M. Banerjee, M.B., D.M.R. (Lond.)	.. 1958-59—still continuing
2.	Dr. N. B. Roy, M.B., D.M.R.T., R.C.P. & S. (Eng.)	.. 1958-59 to 1964-65
3.	Dr. B. K. Dey, B.Sc., M.B., D.M.R.D., R.C.P. & S.	.. 1958-59—still continuing
4.	Dr. K. S. Banerjee, B.Sc., M.B., D.M.R.D. (Liverpool)	.. 1958-59 to 1961-62 and 1966-67—still continuing
5.	Dr. P. Brahma, M.B., D.M.R.D., R.C.P. & S. (Eng.)	.. 1958-59—still continuing
6.	Dr. B. Roy, M.B., D.M.R.T. (Liverpool), D.M.R.D. (Lond.)	.. 1958-59 to 1961-62 and 1965-66—still continuing
7.	Dr. A. Roy, M.B., D.M.R.D., R.C.P. & S. (Eng.)	.. 1958-59—still continuing
8.	Maj. G. Mukherjee, M.B., D.M.R.D. (Lond.)	.. 1958-59—1967-68
9.	Dr. S. Bose, M.B., D.M.R.D., R.C.P. & S. (Eng.)	.. 1958-59—still continuing
10.	Miss A. Basu, M.Sc.,	.. 1958-59—still continuing
11.	Dr. D. Sarkar, M.B., D.M.R.D., R.C.P. & S. (Eng.)	.. 1958-59 to 1961-62 and 1964-65—still continuing
12.	Dr. N. Neogy, M.B. (Cal.), D.M.R.T. (Lond.)	.. 1958-59 to 1961-62
13.	Dr. M. Mitra, M.B., D.M.R.D. (Edin.)	.. 1958-59 to 1960-61 and 1963-64—still continuing
14.	Maj. S. Basu, M.B., D.M.R. (Lond.)	.. 1958-59—still continuing
15.	Sri K. Bhattacharyya, M.Sc.	.. 1958-59—still continuing
16.	Sri A. Bose, B.Sc., A.Inst.P.	.. 1958-59—still continuing
17.	Dr. S. Banerjee, M.B. (Cal.), D.Phys. (Med.) (Lond.)	.. 1958-59 to 1961-62
18.	Dr. S. Chatterjee, M.B., D.M.R.T. (Lond.)	.. 1960-61 to 1963-64 and 1965-66—still continuing
19.	Dr. A. Bose, M.B., D.M.R.T., R.C.P. & S. (Eng.)	.. 1961-62
20.	Sri K. D. Banerjee, M.Sc. (Cal.)	.. 1960-61 to 1961-62
21.	Sri S. P. Ganguly, M.B. (Cal.), D.M.R.D., R.C.P. & S. (Eng.)	.. 1961-62
22.	Dr. (Mrs.) E. Mukherjee, M.B. (Cal.), D.M.R.T., R.C.P. & S. (Eng.)	.. 1961-62
23.	Dr. A. Mukherjee, M.B. (Cal.), D.M.R.D., R.C.P. & S. (Eng.)	.. 1961-62 to 1968-69
24.	Dr. S. Sarkar, M.B. (Cal.), D.Phys. (Med.) (Lond.)	.. 1961-62 to 1964-65
25.	Dr. B. Roy, D.M.R.D. (Lond.), D.M.R.T. (Eng.)	.. 1961-62





- |     |   |                          |
|-----|---|--------------------------|
| 26. | Dr. M. Purkayastha, M.B.(Cal.), D.M.R.T., R.C.P. & S. (Eng.)                          | 1961-62—still continuing |
| 27. | Dr. S. K. Sarkar, M.B.B.S., D.T.M., D.P.H. (Cal.), D.Phys. (Med.), R.C.P. & S. (Eng.) | 1962-63 to 1963-64       |
| 28. | Sri A. Chaudhuri, B.Sc.   | .. 1961-62 and 1964-65   |
| 29. | Dr. S. Ghosh, M.Sc., D.Phil.  | .. 1968-69               |

### Department of Cardiology

- |     | Name of the Teachers  | Period of Service from the Session. |
|-----|---|-------------------------------------|
| 1.  | Dr. D. P. Basu, M.B. (Cal.), Ph.D. (Edin.), M.R.C.P. (Edin.)  | 1960-61—still continuing            |
| 2.  | Dr. S. K. Banerjee, M.B., Ph.D. (Lond.)                       | .. 1960-61                          |
| 3.  | Dr. S. Kr. Sen, M.B., M.R.C.P. (Edin.)                        | .. 1960-61—still continuing         |
| 4.  | Dr. M. K. Chhetri, M.B. (Cal.), M.D. (Cal.), M.R.C.P. (Lond.) | 1960-61—still continuing            |
| 5.  | Dr. R. N. Chatterjee, M.D. (Cal.)                             | .. 1960-61—still continuing         |
| 6.  | Dr. G. S. Korai, M.B. (Cal.), F.R.C.S. (Eng.)                 | .. 1960-61—still continuing         |
| 7.  | Dr. A. B. Mukherjee, M.B., D.T.M. (Cal.), M.R.C.P. (Lond.)    | 1960-61—still continuing            |
| 8.  | Dr. A. K. Bose, M.Sc., M.B., M.R.C.P. (Lond.)                 | .. 1961-62 to 1962-63               |
| 9.  | Dr. A. Sen, M.B., Ph.D.                                       | .. 1964-65 to 1967-68               |
| 10. | Dr. H. Misra, M.B.B.S., Dip. Card.                            | .. 1965-66 to 1966-67               |

### Department of Psychological Medicine

- |     | Name of the Teachers   | Period of Service from the Session. |
|-----|--|-------------------------------------|
| 1.  | Dr. S. C. Mitra, M.A., Ph.D. (Lond.)                                 | .. 1960-61 and 1961-62              |
| 2.  | Dr. T. C. Sinha, D.Sc. (Cal.)  | .. 1960-61 to 1962-63               |
| 3.  | Dr. A. K. Deb, M.Sc., M.B. (Cal.), D.P.M. (Lond.)                    | .. 1960-61—still continuing         |
| 4.  | Dr. J. B. Mukherjee, M.B.(Cal.), D.P.M. (Lond.)                      | .. 1960-61—still continuing         |
| 5.  | Dr. D. N. Nandy, M.Sc., M.B. (Cal.), D.Phil., D.P.M., M.R.C.P.       | 1960-61—still continuing            |
| 6.  | Dr. C. C. Saha, M.Sc., M.B., D.T.M. (Cal.), F.R.C.P. (Lond. & Glas.) | 1960-61 to 1962-63                  |
| 7.  | Dr. N. N. Chatterjee, M.Sc. (Cal.), M.B.B.S. (Camb.)                 | .. 1960-61 to 1967-68               |
| 8.  | Dr. S. Mukherjee, M.Sc., Ph.D.                                       | .. 1960-61                          |
| 9.  | Dr. R. C. Das, M.A., Ph.D.   | .. 1960-61 to 1962-63               |
| 10. | Dr. A. K. Roychaudhury, M.Sc., M.B.B.S.                              | .. 1961-62—still continuing         |
| 11. | Dr. S. N. Banerjee, M.B. (Cal.), D.P.H. (Lond.)                      | .. 1961-62 to 1967-68               |
| 12. | Dr. J. Roy, M.B. (Cal.), D.P.M. (Lond.)                              | .. 1961-62 to 1962-63               |
| 13. | Dr. P.K. Roy, M.B., M.R.C.P., D.P.M.                                 | .. 1962-63—still continuing         |
| 14. | Dr. (Mrs.) A. Chakravarty, M.B., M.R.C.P., D.P.M. (Lond.)            | 1962-63—still continuing            |
| 15. | Dr. S. K. Roy, M.B.  | .. Do.                              |
| 16. | Dr. K. C. Mukherjee, M.A., P.R.S., F.D.I., F.A.S.                    | .. 1962-63                          |
| 17. | Dr. J. N. Mallick, M.Sc., M.B.B.S.                                   | .. 1963-64—still continuing         |



### Department of Diseases of Ear, Nose and Throat

Name of the Teachers	Period of Service from the Session
1. Dr. S. K. Sengupta, M.B., D.L.O.	.. 1962-63 to 1965-66
2. Dr. S. Chatterjee, M.B. (Cal.), D.L.O. (Lond.)	.. 1962-63
3. Dr. N. Banerjee, M.B., F.R.C.S., D.L.O.	.. 1962-63 to 1966-67
4. Dr. B. K. Sengupta, M.B., D.L.O.	.. 1962-63—still continuing.
5. Dr. N. Dutta, M.B., F.R.C.S., D.L.O.	.. 1962-63 to 1968-69
6. Dr. H. Huzra, M.B., F.R.C.S., D.L.O.	.. 1962-63—still continuing.
7. Dr. P. K. Khasnobis, M.B., D.L.O., R.C.P. & S. (Eng.)	1962-63—still continuing.
8. Dr. N. R. Sarkar, M.B., D.L.O.	.. 1962-63
9. Dr. A. Roy, M.B.B.S., D.L.O., F.R.C.S. (Edin.)	.. 1962-63—still continuing.
10. Dr. M. Sen, M.B.B.S., D.L.O., R.C.P. & S. (Eng.)	1962-63 and 1967-68—still continuing.
11. Dr. S. Banerjee, M.B.B.S., M.S. (Cal.)	.. 1965-66—still continuing.
12. Dr. S. K. Ghosh, M.B.B.S., D.L.O. (Lond.), F.R.C.S. (Edin.)	1966-67
13. Maj. K. K. Ghosh, M.B., F.R.C.S., D.L.O.	.. 1967-68

### Department of Anaesthesiology

Name of the Teachers	Period of Service from the Session
1. Dr. S. K. Chatterjee, M.B., F.A.C.A.	.. 1963-64—still continuing.
2. Dr. J. C. Banerjee, M.B.	.. 1963-64 to 1967-68
3. Dr. J. R. Mitra, M.B., D.Phil.	.. 1963-64—still continuing.
4. Dr. A. K. Bose, M.B.B.S., F.F.A.R.C.S. (Eng.)	.. 1963-64—still continuing.
5. Dr. S. Pramanik, M.B.B.S., F.F.A.R.C.S. (Eng.)	.. 1963-64—still continuing.
6. Dr. (Mrs.) A. Banerjee, M.B.B.S., F.F.A.R.C.S.	.. 1963-64—still continuing.
7. Dr. G. Seal, M.B.B.S., D.A.	.. 1965-66—still continuing.
8. Dr. K. Dutta, M.B.B.S., D.A.	.. 1965-66—still continuing.
9. Dr. B. P. Roy, M.B.B.S., D.A.	.. 1965-66—still continuing.
10. Dr. B. Guha, M.B.B.S., D.A.	.. 1966-67—still continuing.
11. Dr. D. N. Ganguly, M.B.B.S., D.A.	.. 1968-69
12. Dr. N. Bose, M.B.B.S., D.A.	.. 1968-69.

### Department of Ophthalmology

Name of the Teachers	Period of Service from the Session
1. Dr. P. N. Chaudhury, M.B., D.O.M.S. (Lond.), D.O. (Oxon.), F.R.C.S. (Edin.)	1965-66—still continuing.
2. Dr. B. K. Mitra, M.B., D.O.M.S. (Cal.)	.. do
3. Dr. I. S. Roy, M.B.B.S., D.O.M.S., D.O., F.R.C.S.	.. do
4. Dr. K. D. Saha, M.B., D.O. (Oxon.), D.O.M.S. (Lond.)	.. do
5. Dr. C. K. Biswas, M.B.B.S.	.. do
6. Dr. G. N. Mukherjee, M.B.B.S., D.O.M.S.	.. do
7. Dr. B. M. Chatterjee, M.B.B.S., D.O.M.S., D.O. (Lond.), F.R.C.S. (Edin. & Eng.)	.. do
8. Maj. S. N. Sen, M.B.B.S., D.O.M.S. (Lond.), F.I.C.S.	.. do
9. Dr. G. C. Sen, M.B.B.S., D.O.M.S.	.. do
10. Dr. P. M. Chaudhury, M.B.B.S., D.O.M.S. (Lond.), F.R.C.S. (Eng.)	.. do





11.	Dr. G. C. Banerjee, M.B.B.S., D.O. (Oxon.), D.O.M.S. (Lond.)	1965-66—still continuing.
12.	Dr. P.C. Ghosh, M.B.B.S., D.O.M.S. (Lond.)	.. do
13.	Dr. R. Mukherjee, M.B.B.S., D.O.M.S., M.S. (Luck.)	do
14.	Dr. N. M. Bose, M.B.B.S., D.O.M.S. (Lond.), F.R.C.S. (Edin.)	do
15.	Dr. M. Sengupta, M.B.B.S., D.O.M.S. (Lond.)	.. do
16.	Dr. B. Palchandhury, M.B.B.S., D.O.M.S., M.S.	.. 1967-68—still continuing.
17.	Dr. S. K. Biswas, M.B.B.S., D.O.M.S., D.O., F.R.C.S. (Edin. & Eng.)	1968-69
18.	Dr. P. R. Mondal, M.B.B.S., D.O.M.S., F.R.C.S. (Edin.)	1968-69
19.	Dr. A. K. Mukherjee, M.B.B.S., D.O.M.S. (Cal.)	.. 1968-69
20.	Dr. P. K. Guha, M.B.B.S., D.O.M.S. (Lond.), F.S.M.F.	1968-69

### Department of Venereology

Name of the Teachers		Period of Service from the Session
1.	Dr. P. N. Khan, M.B., D.T.M., M.R.C.P.	.. 1963-64—still continuing.
2.	Dr. N. Bhattacharyya, M.B.	.. 1964-65—still continuing.
3.	Dr. N. K. Roy, M.B.	.. 1964-65 to 1965-66
4.	Dr. A. K. Dutta, M.B.B.S., D.V. (Med.)	.. 1965-66 to 1967-68
5.	Dr. B. Mitra, M.B.B.S., D.V.	.. 1966-67 to 1967-68
6.	Dr. R. Ghosh, M.B.B.S., D.V.	.. 1966-67 to 1967-68
7.	Dr. J. Majumdar, M.B.B.S., D.V., D. Dermat.	.. 1967-68—still continuing.